

20010412.qrp v02_n157.qrl.20010412

Date: Thu, 12 Apr 2001 19:03:16 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2157

QRP-L Digest 2157

Topics covered in this issue include:

- 1) [96178] Re: "Making Verticals Quieter"
by "Bob Tellefsen" <n6wg@earthlink.net>
- 2) [96179] STORM IN PROGRESS, 11-12APR
by "Paul Harden, NA5N" <na5n@rt66.com>
- 3) [96180] Re: microphones
by neil <wa4chq@qsl.net>
- 4) [96181] Quiet in Canada,Blackout?
by Fred Lesnick <flesnick@tbaytel.net>
- 5) [96182] Re: "Making Verticals Quieter"
by "Phil (VA3UX)" <phil@vaxxine.com>
- 6) [96183] Re: "Making Verticals Quieter"
by "Phil (VA3UX)" <phil@vaxxine.com>
- 7) [96184] Re: [MH101] SW-30+ L1 value
by "Don Wilhelm" <w3fpr@arrl.net>
- 8) [96185] Pleasant Day Off (long)
by "Steve/n0tu" <n0tu@webaccess.net>
- 9) [96186] Aurora
by Dave Sjolin <sjolin@swbell.net>
- 10) [96187] Re: Quiet in Canada,Blackout
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- 11) [96188] Re: Pleasant Day Off (long)
by Dave Sjolin <sjolin@swbell.net>
- 12) [96189] RE: Pleasant Day Off / "snowed in... blizzard in CO" - Us too (in GA!!!)
by "Ed Tanton" <n4xy@att.net>
- 13) [96190] FW: WWV-Message
by "Ed Tanton" <n4xy@att.net>
- 14) [96191] Re: [CW] Quiet in Canada,Blackout?
by Fred Lesnick <flesnick@tbaytel.net>
- 15) [96192] Re: STORM IN PROGRESS, 11-12APR
by Bob Nielsen <nielsen@oz.net>
- 16) [96193] Don't miss FISTS Clubs Coast to Coast
by "N7SG K7FD" <k7fd@hotmail.com>
- 17) [96194] Re: Switching Supplies
by Bob Kellogg <ae4ic@nr.infi.net>
- 18) [96195] QRV Colorado River near Moab: Low Power Paddling and Operating
by N0BN@aol.com

- 19) [96196] OT: ARRL All risk equipment insurance questions
by Dragon Singer <WM-Scace@wiu.edu>
- 20) [96197] 35 ohm coax
by "William K. Harding" <k4ahk@ix.netcom.com>
- 21) [96198] Subject: [96132] QRP Quarterly
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 22) [96199] [MH101] Prelims done, i.e. SW-30+
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 23) [96200] Propagation question... more "stuff"?
by "Ed Tanton" <n4xy@att.net>
- 24) [96201] Resistance Tolerance
by "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>
- 25) [96202] RE: ladder line in the rain. what goes
by "Denis Englander" <ko6gf@slip.net>
- 26) [96203] RTTYers
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 27) [96204] FS: Paddlette KP-4 (NIB) \$50.00
by Patrick Armstrong <aa7fg@gte.net>
- 28) [96205] Re: [MH101] Prelims done, i.e. SW-30+
by "blinn" <blinn@smgazette.com>
- 29) [96206] QRV NJ's Appalachian Trail: Low Power Operating on 20m
by ae5x@netscape.net (John Harper AE5X)
- 30) [96207] Re: 35 ohm coax
by K5BDZ@aol.com
- 31) [96208] sw4040
by Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
- 32) [96209] RE: Don't miss FISTS Clubs Coast to Coast
by "John L. Sielke" <w2agn@pobox.com>
- 33) [96210] Re: 35 ohm coax
by "Karl F. Larsen" <k5di@zianet.com>
- 34) [96211] interfacing a PDA with a QRP rig
by "Mark Paley" <mpaley@wcnet.org>
- 35) [96212] Re: "Making Verticals Quieter"
by Jake Brodsky <frussle@erols.com>
- 36) [96213] Re: "Making Verticals Quieter"
by Pete Burbank <plburbank@kih.net>
- 37) [96214] RE: 12v Gelcel Charger Circuit
by "Sam Billingsley" <sambillingsley@earthlink.net>
- 38) [96215] QRP on the ARRL Web site ... again. :-)
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 39) [96216] Fwd: FS: Drake 2880s - Gone
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 40) [96217] RE: "Making Verticals Quieter"
by "AI2Q Alex" <ai2q@adelphia.net>
- 41) [96218] SW40+ to SW20+ Mods??
by David Kukulka <dkuk@usa.net>
- 42) [96219] Elmer kits
by N1EU <n1eu@yahoo.com>

- 43) [96220] RE: interfacing a PDA with a QRP rig
by "Dave Ek" <ekdave@earthlink.net>
- 44) [96221] Re: Propagation question... more "stuff"?
by "Paul Harden, NA5N" <na5n@rt66.com>
- 45) [96222] Laptop battery final
by "Karl F. Larsen" <k5di@zianet.com>
- 46) [96223] Re: Propagation question... more "stuff"?
by John Wagner <john@neknetwork.com>
- 47) [96224] Re: Elmer kits
by wd4et@juno.com
- 48) [96225] NEQRP CW Net, Thursday, 12 April, 9:00 PM EDT, 3.561 MHz
by Chuck Ludinsky <cjl@mitre.org>
- 49) [96226] 2M Homebrew anyone?
by "Brad Hernlem" <alihernlem@hotmail.com>
- 50) [96227] Re: 2M Homebrew anyone?
by "ZOOM" <kandrparker@sympatico.ca>
- 51) [96228] Re: MH101: A 40m variant of the K7Q0/SW30+ design?
by agtaylor@llnl.gov
- 52) [96229] RE: Propagation question... more "stuff"?
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 53) [96230] Re: Don't miss FISTS Clubs Coast to Coast
by Garie Halstead <k8kfj@ntelos.net>
- 54) [96231] RE: "Making Verticals Quieter"
by Pete Burbank <plburbank@kih.net>
- 55) [96232] Re: 35 ohm coax
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 56) [96233] WTB: Used book, Chipman on Transmission Lines
by Beth Gardner / Dan Maguire <BethDan@pacbell.net>
- 57) [96234] QRP 'Hall of Fame'
by "Dave Benson" <nn1g@earthlink.net>
- 58) [96235] Antennas and Feedlines by L. B. Cebik, W4RNL
by Jim Stafford <w4qo@amsat.org>
- 59) [96236] The Morse code
by "Oleg Borodin" <vector72@lipetsk.ru>
- 60) [96237] Re: Used book, Chipman on Transmission Lines
by "Bruce Kizerian" <kizerian@ced.utah.edu>
- 61) [96238] RE: [fpqrp] STORM IN PROGRESS, 11-12APR
by "John L. Sielke" <w2agn@pobox.com>
- 62) [96239] Re: The Morse code
by "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
- 63) [96240] RE: Vacationing in San Juan Islands - W7 Land - 04/15-4/19
by <schoon@amgt.com>
- 64) [96241] Re: The Morse code
by "Rod Cerkoney" <n0rc@hotmail.com>
- 65) [96242] Re: HB sheet metal brake
by "Russ Hines" <wb8zcc@one.net>
- 66) [96243] Re: HB sheet metal brake
by Stephen M Smith <sigcom@juno.com>

- 67) [96244] RE: HB sheet metal brake
by <schoon@amgt.com>
- 68) [96245] Question; Anti-static storage
by Pete Burbank <plburbank@kih.net>
- 69) [96246] Re: Question; Anti-static storage
by "Mike Yetsko" <myetsko@insydesw.com>
- 70) [96247] Re: "Making Verticals Quieter"
by "Karl F. Larsen" <k5di@zianet.com>
- 71) [96248] 6m Hot
by Joe Reed <joe@n9jr.dyndns.org>
- 72) [96249] Re: 2M Homebrew anyone?
by "Brad Hernlem" <alihernlem@hotmail.com>
- 73) [96250] Re: 6m Hot --- When? Where?
by "Chuck Carpenter" <w5usj@globeco.net>
- 74) [96251] Re: 6m Hot --- When? Where?
by Joe Reed <joe@n9jr.dyndns.org>
- 75) [96252] 1 mW
by Larry Cahoon <lejek@erols.com>
- 76) [96253] Re: [MH101] Prelims done, i.e. SW-30+
by "Glen Torr" <glentorr@ozemail.com.au>
- 77) [96254] RE: "Making Verticals Quieter"
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 78) [96255] Re: Harbor Freight Punch
by "E. Roswell" <eroswell@monmouth.com>
- 79) [96256] Re: 2M Homebrew anyone?
by "Steven Weber" <kd1jv@moose.ncia.net>
- 80) [96257] Re: 6m Hot --- When? Where?
by Jeff Stai WK6I <jstai@home.com>

Date: Wed, 11 Apr 2001 16:06:01 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [96178] Re: "Making Verticals Quieter"
Message-ID: <001501c0c2db\$fadba960\$d408b73f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Pete

I've had some success with a variation on your described use of a balun.
I used a 160m inverted L antenna on 160m this past winter, with two elevated
radials running along the tops of my side yard fences. I have a large
choke made of 10 turns of coax about a foot in diameter, right at the feed
point of the vertical.

When I first installed this antenna, the noise on receive was substantial. As an experiment, I ran the shack end of the RG58 feedline through a square ferrite core from a TV set for about 8 turns. The noise went away. Unfortunately, it had been masking other noises so I only got a reduction, not elimination of noise :-)

Since I had the coax coil at the antenna end, I assumed that would be all the decoupling I needed. Apparently my feedline was picking up other noise, perhaps from house wiring. With the second 1:1 balun of coax at the shack end, it seemed to prevent the additional noise pickup from reaching my rig.

73, Bob N6WG

Date: Wed, 11 Apr 2001 17:08:28 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-1@lehigh.edu
Cc: gqrp@onelist.com, nmqrp@yahoogroups.com, "Prof. Arnaldo Coro Antich" <inforhc@ip.etecsa.cu>
Subject: [96179] STORM IN PROGRESS, 11-12APR
Message-ID: <Pine.SUN.4.10.10104111652280.18658-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Planet earth was hit with two shockwaves slightly before noon MDT (1600UTC). The first was from mondays M-class flare and rose the solar wind from 350 km/sec background to 650 km/sec. ... a sufficient blast to trigger a major geomagnetic storm. A bit later, the second shock wave hit, elevating the solar wind further to slightly above 850 km/sec. Both shockwaves were also fairly dense, with around 35 p/cm³. The 2nd shock drove the K index to 8 (and 9 in some places) for a SEVERE geomagnetic storm. The storm is still in progress, and expected to continue with minor to major storm levels through late thursday. This is causing very rough to blackout conditions on HF, with full blackouts being experienced in Canada, northern Europe, etc.

AURORA: Tremendous aurora are currently active on the dark side of the planet ... over northern Europe, Scandanavia, and in the southern hemisphere along southern Australia, New Zealand, and Tasmania.

If the solar wind continues at high levels to fuel this storm for another

4-5 hours, then enhanced aurora will be seen over North America into the middle latitudes ... but probably not as spectacular as we experienced 2 weeks ago. NOAA is predicting visible aurora to 45 degrees geomagnetic latitude, and could extend further south. The real question is whether or not our geomagnetic field will remain at the strong storm levels until your local midnight. (Generally, 10:30-11pm local you will begin to notice aurora if it's going to happen in your area, and peak intensity around local midnight).

The >10MeV proton event continues, which means the northern (and southern) polar regions are experiencing a PCA at HF blackout conditions. This is expected to continue until late Friday or Saturday.

Today, region 9415 produced another fairly strong M class flare, still fairly geoeffective, and the shockwave from this will likely hit early Saturday.

So ... conditions on HF are expected to remain pretty poor for the next few days, particularly the lower bands. 20M will be rough, 15M better during daylight and early evening. Of course, your mileage will differ, since such a huge storm is dynamic with different characteristics at different locations around the globe.

72, Paul NA5N

On Wed, 11 Apr 2001, Space Environment Center wrote:

> Joint USAF/NOAA Report of Solar and Geophysical Activity
> SDF Number 101 Issued at 2200Z on 11 Apr 2001

> IA. Analysis of Solar Active Regions and Activity from 10/2100Z
> to 11/2100Z: Solar activity was moderate. A single M-class event
> occurred during the period. Region 9415 (S22W27) produced an M2/1f
> parallel ribbon flare at 11/1326 UTC.

> IB. Solar Activity Forecast: Solar activity is expected to be at
> moderate to high levels. Region 9415 can be expected to produce
> another major flare during the period.

> IIA. Geophysical Activity Summary 10/2100Z to 11/2100Z:
> The geomagnetic field ranged from quiet to severe storm levels. Two
> discernable shocks were detected by the ACE spacecraft at
> approximately 11/1300 and 11/1520 UTC. These effects were most
> likely the precursors for the two earth-directed CME's produced on
> 9-10 April. The resulting CME's arrival at earth produced severe
> geomagnetic storming during the period of 11/1500-1800 UTC. The
> greater than 10 MeV proton flux was at high levels all period long,

> reaching a maximum of 322 PFU near the end of the period. A polar
> cap absorption (PCA) event remained in effect during the period. The
> greater than 2 MeV electron flux has at high levels for the first
> part of the period and then decreased to moderate levels for the
> remainder of the period.

> IIB. Geophysical Activity Forecast: The geomagnetic field is
> expected to continue at active to major storm levels during the
> first day of the period. A second geomagnetic storm is expected to
> arrive late on 12 April or early on 13 April UTC. This disturbance
> will be the result of the full-halo CME described in Section 1A.
> Brief severe storm levels at high latitudes can be expected.
> Unsettled to minor storm levels are expected on 14 April as the
> storm subsides. The greater than 10 MeV proton event is expected to
> continue through most of the period. The PCA event is expected to
> end during the latter half of the period. The greater than 2 MeV
> electron flux is expected to be at mostly moderate levels during the
> period.

> III. Event Probabilities 12 Apr-14 Apr
> Class M 80/80/80
> Class X 25/25/25
> Proton 80/25/25
> PCAF in progress

> IV. Penticton 10.7 cm Flux
> Observed 11 Apr 160
> Predicted 12 Apr-14 Apr 160/160/155
> 90 Day Mean 11 Apr 167

> V. Geomagnetic A Indices
> Observed Afr/Ap 10 Apr 007/009
> Estimated Afr/Ap 11 Apr 050/060
> Predicted Afr/Ap 12 Apr-14 Apr 060/090-050/050-020/025

Date: Wed, 11 Apr 2001 19:26:35 -0400
From: neil <wa4chq@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [96180] Re: microphones
Message-ID: <3AD4E82A.47ABF21C@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings everyone and many thanks for the info on mic's. Well, I got

it made and it works fine. Went for the speaker/mic form. All the best
72-
Neil wa4chq

Date: Wed, 11 Apr 2001 19:29:40 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: "6mt.com" <50mhz@6mt.com>, "50mhz@qth.net" <50mhz@qth.net>, "'cw@qth.net'"
<cw@qth.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96181] Quiet in Canada,Blackout?
Message-ID: <3AD4E8E4.C361EB31@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Man the bands are quiet, just checked the antenna connectors , and yes,
they are ok...

6 metres and HF is DEAD....Only thing hearing is static....

We are in for a major rain dump, along with some thunder storm activity.

Same as last weekend....I pity are neighbours in Minnesota, Manitoba,
and the Dakotas', water is rising....

Fred

VE3FAL

Thunder Bay, Ontario

(The high country)

Date: Wed, 11 Apr 2001 19:32:38 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: qrp-l@Lehigh.EDU
Subject: [96182] Re: "Making Verticals Quieter"
Message-ID: <3.0.5.32.20010411193238.007c9ae0@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:06 PM 4/11/2001 -0000, you wrote:

>Hi, Pete...

>

>This sounds like a wonderful plan to me. I have a Hy-Gain Hy-Tower

>(actually, two of them). If you could see the arc coming off the coax

>connector during some types of atmospheric conditions, you would appreciate

>the appeal of letting a balun put the antenna at ground potential.

Except a "balun" (a voltage balun anyway) has no place in an unbalanced
antenna and transmission line system. I can't imagine how you would install

it or where you would install it.

Pete mentioned subsequently that "transformer" was the word used in the article, and that I can understand. But a bifilar transmission line transformer still won't put anything at ground potential - at least for the designs that I can recall.

I would say that the arc you see coming off the connector during atmospheric disturbances is perfectly normal for an ungrounded antenna. I've seen that same thing from dipoles. A spark gap or discharge plug is what you're after - not a balun.

Phil

Nearby

>man-made noise would not be reduced, I'm sure. Thankfully, I'm in an
>extremely quiet location, so I don't have a problem with man-made noise.

>

>73... Ed, W5EJ

>

>----- Original Message -----

>From: "Pete Burbank" <plburbank@kih.net>

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>Sent: Wednesday, April 11, 2001 2:35 PM

>Subject: Re: "Making Verticals Quieter"

>

>

>> At 11:07 PM 4/10/2001 -0700, Thomas Kuehl wrote:

>> >Pete,

>> >

>> >I know of what you speak. The article was written by Bob Crawford (W06I).

>> >I tried

>> >this some years back and it didn't seem to make any difference whatsoever

>> >in my

>> >vertical's noise level.

>>

>> (SNIP)

>> Tom and group.

>> So far no one has responded with a "yes it works".

>> Maybe its like using Elephant Repellant :-) :-)

>> 73 Pete NV4V

>>

>>

>>

>

>

>

Date: Wed, 11 Apr 2001 19:38:34 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: qrp-1@Lehigh.EDU
Subject: [96183] Re: "Making Verticals Quieter"
Message-ID: <3.0.5.32.20010411193834.007c9ae0@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:30 AM 4/11/2001 -0500, you wrote:

>"Phil (VA3UX)" wrote:

>

>

>I think the idea is to prevent pickup and transmission of noise by the
>shield on the coax. The shield should protect against noise and signal
>pickup along its length (e.g., screw up pattern on beams). Its similar
>to attempting to get rid of rfi by eliminating radiation along the
>shield from ground loops.

>

Yea but I still can't see how a transformer accomplishes this - unless it really isn't a transformer but simply a choke (which ties in with your comment below). The deal with antenna currents flowing on the outside of the coax (ala Walt Maxwell) is corrected by increasing the impedance of the surface of the coax by placing a pile of ferrite beads over the coax, or by coiling up some coax into a choke (the line isolator as you mentioned)

Phil

>I guess this presupposes that the vertical is further away from noise
>sources such as house wiring than is the coax. If the antenna was
>sitting next to noise source than the whole process would be a waste of
>time and effort as you would still pickup the noise. For example on
>fifteen meters, my Cushcraft R5 which is right next to and over my home
>is noisier than my Butternut vertical ground mounted fifty or so feet
>away.

>

>You could probably accomplish much the same by coiling six turns of coax
>near the antenna. Check Radio Works website for more information under
>line isolators.

>

>73 de Dave, N0IT

>

>

Date: Wed, 11 Apr 2001 19:36:47 -0400
From: "Don Wilhelm" <w3fpr@arrl.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, <k7qo@earthlink.net>
Subject: [96184] Re: [MH101] SW-30+ L1 value
Message-ID: <012801c0c2e0\$8dcd9fe0\$d22b3604@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>

>

> PhD Exam. Define a Universe. Give me two examples of same.....

>

OK Chuck, I will bite. A universe consists of those objects contained within a particular set. It can be anything that you want it to be.

Examples: The universe of all numbers; the universe of everything within North America; the universe of all amateur radio operators; or try a subset of that - the universe of all QRP folks.

73,

Don Wilhelm -Chapel Hill, NC W3FPR home page: <http://www.qsl.net/w3fpr/>
QRP-L # 485 K2 SN 0020 mailto: w3fpr@arrl.net

Date: Wed, 11 Apr 2001 18:05:02 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [96185] Pleasant Day Off (long)
Message-ID: <001c01c0c2e4\$394f3c40\$6a211d82@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Woke up to a BLIZZARD!

We were snowed in this AM with blizzard conditions and 3-4' drifts in the driveway (Monument, CO - 50m south of Denver in the foothills of the Rockies). Worked from home for about 4 hours via ISDN. Decided to flexi-off and switched to debugging my scratch SST while feeding logs to my hungry wood stove. (blizzard continued through lunch)

Thanks to John/N0HJ for his loan of a real 20m SST ...I measured the voltages IC to IC and found the product detector's input on mine was a volt down(John's 1.4V mine .4V)! Hmmm? Then discovered a shorted LED (AGC diode) was pulling it down or so it seemed. Replaced it and BAM! 20m signals! Woohoo! =8-)

I'm listening to the RX right now as I write this email and I can't begin to tell you all how good it sounds. Just knowing I took a hand full of parts using Wayne's GREAT design built this thing from scratch "uglihattan" style makes it sound REALLY special! Out of all the fun things I've done with this cool hobby this tops it. (I hope not?)

I must admit I've gain some great experience from building the Serria, K2, DWS, NC20 list goes on. And least I not forget this online list of Elmers!! ...but my point though is If I can do this, anyone can do it! I not a EE! I really do not understand the physics of how this rig works but in concept I get it. That is, how the uV signals arriving at the antenna gets mixed down and detected to audio seems pretty basic. Well sorta. (in concept).

I've tried to learn the electronic theory and got lost at the "holes and electrons" stage. That stuff just flew over my windshield. But give me a hot iron and a schematic and now your talking my language!

..Only a few other issues with the SST - like it breaks into a howl a full volume and some intermittent thingy in the xtal filter. But MAN it's alive! YES! and I(that's ME!) built it from scratch! (amazing!). I'll post a .jpg when I borrow cam from work.

(Thanks for listening to my rambling while pound my chest a lil.)<g>

Next is the SST TX section and then (ahh) the First QSO! (can't wait...Maybe I'll make it a trialside Q?) My goal is some day to build a really good high-performance all band RX from scratch! Seems as far away to me as landing a man on Mars right now!

Cheers, Steve/n0tu

Date: Wed, 11 Apr 2001 19:11:51 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [96186] Aurora
Message-ID: <3AD4F2C7.2FB9737B@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

The geomagnetic storm has been severe enough that I have been able to work stations up to 1000 miles away on two meters from St. Louis MO for the last three or so hours. Im using only 170 watts to an Eggbeater antenna up 15 feet. I have been hearing and sometimes working stations from as far south as Oklahoma, Arkansas, Tennessee, Kentucky, and North Carolina.

As good as conditions have been on two this afternoon, it appears that the aurora is even stronger over in Europe. If we get the same intensity here in a few hours, this thing should really take off.

Well enough dinner break, back to the radio.

73 de Dave, N0IT

Date: Wed, 11 Apr 2001 20:16:52 -0400
From: "William Mabry" <n4qa@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [96187] Re: Quiet in Canada,Blackout
Message-ID: <F959YNrPXpdt7q0pQgk00002792@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Whoa !
Listening on the DSW-40 this evening.
CHU in Ottawa on 7335 kHz, which normally booms in here (SW VA) at sundown, is BARELY perceptible at 0000 UTC ...right now.
CLA in Havana on 8573 kHz is plenty strong but is draped in 'Auroral effect'.
I'm heading outside...this could be a big one!
73,
Bill, N4QA

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Wed, 11 Apr 2001 19:15:31 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: n0tu@webaccess.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96188] Re: Pleasant Day Off (long)
Message-ID: <3AD4F3A3.E9D88360@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Steve/n0tu wrote:

>
> Woke up to a BLIZZARD!
>
> We were snowed in this AM with blizzard conditions and 3-4' drifts in the
> driveway

Sorry to hear that Steve. Was in high 70's here today after 90 degrees
the other day. Im in St. Louis.

73 de Dave, N0IT

Date: Wed, 11 Apr 2001 20:28:00 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96189] RE: Pleasant Day Off / "snowed in... blizzard in CO" - Us too (in
GA!!!)
Message-ID: <CKEGICNFDIMCEKEDCEHFKEFBGMAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We're 'snowed in' here in Georgia, too Steve!!! Only our 'blizzard' is
POLLEN. We're awash with it. Everywhere. Our cars are yellow. The stadium
seats are too. Everywhere. You wash your car and there's even a river of
yellow. All over the place. The pollen-index is over 3500.

And we have the 'snow drifts' too. EVERYWHERE you look there's '3-4' drifts'
of gorgeous white, pink, and red blooms from azalias and dogwoods. You can't
go anywhere without being practically smothered in blooms.

Fortunately, in contrast to your freezing temps... ours today was a balmy 85

degrees and sunny. Best Spring I've seen in years. Not much radio stuff getting done... but all you have to do is look around outside for all the consolation you could ask for!

P.S. I'm not rubbing it in... I was simply struck by the extreme contrast!

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374

R-390-A: Capehart SN: 2241

51S-1 WE SN: 4389

///snip

>

>Woke up to a BLIZZARD!

>

>We were snowed in this AM with blizzard conditions and 3-4' drifts in the
>driveway (Monument, CO - 50m south of Denver in the foothills of the
>Rockies). Worked from home for about 4 hours via ISDN. Decided to flexi-off
>and switched to debugging my scratch SST while feeding logs to my hungry
>wood stove. (blizzard continued through lunch)

>

///snip

Date: Wed, 11 Apr 2001 20:33:09 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [96190] FW: WWV-Message
Message-ID: <CKEGICNFDIMCEKEDCEHFEEFDGMAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Much ado...

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374

R-390-A: Capehart SN: 2241

51S-1 WE SN: 4389

>
>:Issued: 2001 Apr 12 0021 UTC
># Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment Center.
>#
># Updated Geophysical Alert Message
>#
>Solar-terrestrial indices for 11 April follow.
>Solar flux 160 and Boulder A-index 54.
>The Boulder K-index at 0000 UTC on 12 April was 6 (175 nT).
>
>Solar-terrestrial conditions for the last 24 hours follow.
>Solar activity was moderate.
>The geomagnetic field was at quiet to severe storm levels.
>A major geomagnetic storm began at 1343 UTC on 11 Apr
>A satellite proton event began at 0850 UTC on 10 April
>A polar cap absorption event is in progress
>
>The forecast for the next 24 hours follows.
>Solar activity will be moderate to high.
>The geomagnetic field will be at active to major storm levels.
>A proton event is expected to continue
>

Date: Wed, 11 Apr 2001 20:45:16 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: "6mt.com" <50mhz@6mt.com>, "50mhz@qth.net" <50mhz@qth.net>, "'cw@qth.net'"
<cw@qth.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96191] Re: [CW] Quiet in Canada,Blackout?
Message-ID: <3AD4FA9C.45393385@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Turned it to the north, turned it to the south, no matter how I turn it I hear nothing...WWV on 5,10,15, are not there,hear one shortwave staion on 9.750 under aurora,and about 4 stations on 15 mhz, so we are blacked out big time, and now the lightning is setting in...

Fred
VE3FAL
Thunder Bay, Ontario
EN58df

Fred Lesnick wrote:

```
>  
> Man the bands are quiet, just checked the antenna connectors , and yes,  
> they are ok...  
> 6 metres and HF is DEAD....Only thing hearing is static....  
> We are in for a major rain dump, along with some thunder storm activity.  
> Same as last weekend....I pity are neighbours in Minnesota, Manitoba,  
> and the Dakotas', water is rising....  
> Fred  
> VE3FAL  
> Thunder Bay, Ontario  
> (The high country)  
> < >  
> < * * * * * THE CW REFLECTOR * * * * * >  
> __Subscribe To: Majordomo@qth.net with Body: subscribe cw  
> __Unsubscribe To: Majordomo@qth.net with Body: unsubscribe cw  
> __To post, send to cw@qth.net please, CW issues only  
> __For digest version, Subscribe to cw-digest through majordomo@qth.net  
> __For archives of postings, see web page http://www.qth.net/cw-digest.archive  
> __To contact list owner, email to owner-cw@qth.net
```

Date: Wed, 11 Apr 2001 17:57:59 -0700
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [96192] Re: STORM IN PROGRESS, 11-12APR
Message-ID: <20010411175759.A1246@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

This is the first time that there has been a clear sky during potential aurora activity for me, so I hope it doesn't die down for at least the next 6 hours or so. I'm sure there were several opportunities here (latitude 47 deg, 37 min.) recently, but they have all coincided with lots of cloud cover. Now all I have to do is to remember to look....

Bob, n7xy

Date: Wed, 11 Apr 2001 18:11:01 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [96193] Don't miss FISTS Clubs Coast to Coast
Message-ID: <F140n7J95K7aI4z93XA00003c0d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thought I'd pass this along...John, K7FD

From: "Bahr, Casey" <casey.bahr@intel.com>

Hi Folks,

This weekend, Sat. and Sun. is the 2nd annual Coast-to-Coast FISTS Club event (5 PM - 5 PM PDT). We have 25+ clubs confirmed to be on the air, from all over the U.S., including a couple of submarines!

FISTS and non-FISTS are all welcome. Non-FISTS can use the 3 points per club for FISTS awards whenever they later join FISTS. We also offer some *very* nice Coast-to-Coast Award certificates for working 5, 10, 15, 20, or 25 clubs. They can carry QRP and mobile endorsements as well.

Our club, FISTS Northwest, K7FFF, will have at least 2 K2s and a K1 on the air during the event. Several clubs will be running QRP. Should be a fun time for all.

Check out all the details at the "official" C2C page:
http://www.foreign-interests.com/k7fff/FNW_C2C01.html

Listen for "CQ C2C"!

cul es vy 73,

Casey, KS7J/K7FFF, FISTS Northwest
K2 s/n 231

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Wed, 11 Apr 2001 13:09:32 -0400
From: Bob Kellogg <ae4ic@nr.infi.net>
To: Kt3acam@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96194] Re: Switching Supplies
Message-ID: <3AD48FCC.8565353D@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Cam,

I use one with my K2, and have noticed no problems at all with it.
The one I have is the little \$39.95 Cat. No. 22-503. Some K2 owners
have reported problems with the RS switchers, but I don't know if it
was this particular model.

Kt3acam@aol.com wrote:

>
> Has anyone had success with the small switching supply that RS sells, or one
> like it when using it to power up a QRP rig?
>
> Any hum on output signal or RFI on receive?
>
> Cam, kt3a

--
73,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, not necessarily. - Benny Hill

Date: Wed, 11 Apr 2001 21:43:51 EDT
From: NOBN@aol.com
To: qrp-1@lehigh.edu
Subject: [96195] QRV Colorado River near Moab: Low Power Paddling and Operating
Message-ID: <6d.12364835.28066257@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Friends,

I will be on the Colorado River from Friday to Sunday AM, and will probably operate from one camp maybe 15 miles downstream of Moab.

I will operate QRP/M from Denver to Moab, Ut, mostly along I-70 the afternoon and evening of April 12; sleep in car that night; hit the river in my inflatable kayak Friday AM; and camp Fri and Sat night; get off the river Sunday AM and operate QRP/M on the way back home.

I will have my SMK-1 at 7040 and 7122; VEC-1320 at 14055-65; SW30 from 10100-125 and/or NW40 anywhere in CW subband. I am not a contester and don't like crowds so will most likely be hiding out up in 40 M Novice subband if it's too crowded elsewhere.

I will operate most consistently in the evenings but probably also a bit on Saturday and Sunday mornings and sporadically during the day Saturday.

I will be operating from a 2 Ah lead acid battery which I only charge with a little solar panel so will be natural powered both on and off the river. Antennas will be dipoles.

It'll be interesting to see how well I get out from the 2000 foot canyon walls, and up and down the river gorge itself. This is my first river trip with radios and I haven't been out in my Sevylor Tahiti inflatable kayak in about 3 years so am really looking forward to the experience.

Daniel n0bn

Date: Thu, 12 Apr 2001 02:32:15 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: "fpqrp-l@mpna.com" <fpqrp-l@mpna.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96196] OT: ARRL All risk equipment insurance questions
Message-ID: <0104120232150B.03083@harper.weyr.dragonlan.org>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable

=09=09Hi Gang,=20
=09I was thinking about enrolling in the all risk equipment insurance offered=20
by the ARRL, but have some questions. =20
=09All my equipment is old enough that it is not made anymore. take for example=20
my IC706 MkII. Do I scout around and find the current going price for a=20

MkII, or should I just use the cost of a MkIIG? Another example is the c=ase=20
of my HT's both are Realistic HTX202's and they aren't made anymore. Aga=in=20
do I scrounge around for a price or should I research a "Dream" HT to rep=lace=20
'em if needed? Any help would be appreciated.
=20
--=20

Very Sincerely and Respectfully Yours

Wayne M. Scace
&
Leader Dog Sequoia

k9di@arrl.net
Callsign K9DI
LICQ# 315313
FISTS# 4409
QRP-L# 2313
FPQRP-L# 217

Date: Wed, 11 Apr 2001 22:54:01 -0400
From: "William K. Harding" <k4ahk@ix.netcom.com>
To: "qrp-l mail" <qrp-l@lehigh.edu>
Subject: [96197] 35 ohm coax
Message-ID: <200104120253.WAA26484@maynard.mail.mindspring.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Anybody got a source for 35 ohm coax with an outside diameter similar to RG-8 or .405 inch?

Bill - K4AHK
Burke, VA FM18

Date: Wed, 11 Apr 2001 23:09:01 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [96198] Subject: [96132] QRP Quarterly
Message-ID: <3AD51C4D.43378B74@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Today was neat because I had to go into work later. I found both QRP Quarterly and SPRAT in my mailbox and actually had a couple of hours to sit and read them before heading into the salt mines. QRP Quarterly has become the most professional club magazine on the planet. SPRAT, while smaller, remains very tenacious. Both exemplify what QRPers can do to advance the hobby.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Thu, 12 Apr 2001 03:11:59 +0100

From: "Chuck Adams, K7QO" <k7qo@earthlink.net>

To: qrp-l@Lehigh.EDU

Subject: [96199] [MH101] Prelims done, i.e. SW-30+

Message-ID: <5.0.2.1.0.20010412025805.00a28b60@mail.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Grasshoppers,

NOTE: For those of you that don't remember what Grasshopper means you didn't watch

Kung Fu with David C. (I can't spell his last name from memory that's how long it's

been since that show was on the air --- Carradine?)

I have finished the writeup and pictures of the build on the Small Wonder Labs SW-30+.

I have cut the Al and bent it for the homebrew case and the paint is cooking at 170 deg F.

Film at 11 literally this time. :-)

I haven't hooked up the outside antenna, but I'll do that after the paint dries and I

put in the connectors and pots and wire it up. With the solar conditions I probably won't hear much, but I do have a signal generator so may play with looking at the MDS of both the old and the new rigs.

We are now ready to start in on the real MH101 project. I will update the schematic some time tomorrow with some more notes from the feedback and questions that I get via email from time to time. It helps to know what people are missing and don't have.

I will also go back and redo the parts list with parts numbers and pricing from Mouser and from DigiKey. If you find parts at RadioShack.COM and other places, no matter higher or lower I can add them and also from online shopping places. It's not to try to make the list complete but just to show the variance in pricing even in today's e-commerce competition....

A good idea from N5IB. Jim is going to build one up and take it around for show-and-tell at club meetings and swapmeets. I think we have a great opportunity here to start some interest at the grass roots level in building and experimenting for the new people and maybe even the old. I often get email and see people at meetings that say QRP-L and QRP in general has gotten them back into radio. They gave it up because it wasn't as exciting as it was when they first started.

So question. Does the group want to practice on some small projects first? RF probe, crystal tester, etc.? I was going to do some more any way so no problem on this end. And the floor is open for anyone to do anything and show it off to the world on the web.

If enough of us get going, how about a MIB group? Manhattan Interested Builders (MIB).

We show up with our stuff and dress in black suits and sun glasses. :-) ; -)

email me any issues left out in the cold that I had a senior moment and forgot....

FYI es gl,

Chuck Adams, K7QO
Prescott, AZ

CP-60
k7qo@earthlink.net <http://www.qsl.net/k7qo> <http://>

moon.pr.erau.edu/~adamsc

TMPS-2001 April 10th, 2001 Q's = 431 States = 47 Counties = 342 DXCC = 14
SWL-30 with CMOS 3 keyer and Code Warrio 0.500W and vee-beam

States Needed AK DE VA

DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6 EA8 EA7

Date: Wed, 11 Apr 2001 23:22:25 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [96200] Propagation question... more "stuff"?
Message-ID: <CKEGICNFDIMCEKEDCEHFGEFPGMAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has this cycle produced a whole lot more "stuff" (spots, geomag. storms, proton events, etc.) than preceding cycles, or am I just paying more attention to things (mostly thanks to the Internet)?

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374

R-390-A: Capehart SN: 2241

51S-1 WE SN: 4389

Date: Wed, 11 Apr 2001 21:34:39 -0600
From: "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [96201] Resistance Tolerance
Message-ID: <LPELINGNAPFNJMEMINEIEEE0ECCAA.kc0exp@caddistech.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Quick question for you guru's. Building a 38 special 30m rig, and am doing the 5w power mod for it. The mod calls for an 18K resistor. Well, my local radio shack has 15K and 22K. I have been told that 10-20% tolerance is *typically* OK. What's the consensus: use the 15K, 22K, or find an 18K?

This is the first QRP project I've done, so bear with me if this is commonly known among everyone. I'll know next time!

Thanks in advance and 72/73,
KC0EXP
Michael T. Haynie

Date: Wed, 11 Apr 2001 20:50:26 -0700
From: "Denis Englander" <ko6gf@slip.net>
To: <walt_amos@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [96202] RE: ladder line in the rain. what goes
Message-ID: <003901c0c303\$c1665040\$f1507fd8@sirus.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Walter...

Not sure that having a ground strap around your ankle to a water pipe is a safe thing to do. I should think that if there were a strike that went toward your direction, the current of the strike would run through you on its path to the water pipe. Say an electrically hot radio, or RF burn.

Consider, we don't often get electrocuted when we stand on a dry rubber mat and keep our bodies away from any ground path...same with rubber gloves, tires etc. so long as the circuit has some other path to a good ground. Something to do with the path of least resistance.

Also, I have often heard that the proper way to deal with an unknown, except to figure it out with a meter, is to only use one's right hand BACKHAND against the source, and only ONE hand, keeping one's other hand behind one's back

away from any possible grounding source.....and at the same time tipping backward on one's rubber soled heels in case of a strike. At least that way, you present less of a path, your hand should clench AWAY from the source rather than to grab the source if you touched it with an open instead of back hand, and since you are tipped backward, you should fall away from the source, rather than toward it. At least with the left hand behind your back, and assuming that it can not make contact with some earth ground while your right hand is in contact, there is LESS of a chance that the current will run along a path through your heart. I stress LESS by way of chance, because I ALWAYS respect electricity, and I much rather work on DEAD COLD circuits whenever possible.

The only time that I have heard of a grounding strap from one's body to an electrical devise, is in the case of working on some sort of computer gear with sensitive CMOS chips which are very static prone. The grounding strap helps to bleed away any static buildup on the person working on the equipment. This is true, even if the sensitive equipment is unplugged. I suppose that there are many static sensitive components in the electronic industry, so either using a static ground strap, or grounding one's self by touching the chassis first, keeping away from static producing carpets, clothing etc...helps to protect the equipment.

Anyway, I jumped when I read that you are strapped to a water pipe while using something electrical. Also, I hope in this case, that you have a GFI circuit in your house wiring.

Just my thoughts. I could be DEAD WRONG...and I guess each of us has the responsibility to VERIFY and VERIFY again with the experts out there. I am not an expert, but I have worked in construction, and that's how I was taught. Again, all readers, please VERIFY. Don't take my word for it. Better safe than sorry.

Any experts out there to help me with this one? Please respond....safety first should be on topic....thanks for the bandwidth...

72/73 de K06GF - Denis in SF

----- Original Message -----

From: "Walter D Amos" <walt_amos@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, April 11, 2001 4:02 AM

Subject: Fw: RE: ladder line in the rain. what goes

> Folks:
>
> Where do you get the wee people who climb the ladder line to wax it? I
> have around 60 feet of the stuff and it is #14 wire in there but I am way
> to heavy to climb and hang on with one hand and wax with the other. I do
> like to operate in the thunder storms and wear headphones and have a
> ground strap around my ankle to the water pipe. I'm sure that keeps me
> safe and sound. Do the wee people charge much for doing this kind of
> work? Are they POLISH?
>
> Walt K8CV in Royal Oak, MI.

Date: Wed, 11 Apr 2001 23:42:41 -0400 (EDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: qrp-l@lehigh.edu
Subject: [96203] RTTYers
Message-ID: <200104120342.XAA23933@panix2.panix.com>

The RTTY hotel is across the road, but close, to the FDIM hotel, so if
you want lodgings near the QRP stuff, you might check this out.
73, doug

Subject: RTTYers
Date: Wed, 11 Apr 2001 11:32:15 -0700
From: Dale Sinner <dsinner@tfb.com>
To: wf1b-rtty@wf1b.com, writelog@contesting.com

ROOMS - ROOMS- ROOMS FOR THOSE GOING TO DAYTON 2001

Dayton Hamvention is May 18, 19 and 20 and is rapidly approaching. We
still
have rooms at the Holiday Inn for those who have waited on deciding to
go.
We also have made arrangements for transportation to and from the arena
or
you can rent a car right at the hotel. However, If you want a car, it
would
be best to call ahead to reserve one. All the details are on the
rttyjournal.com web page. There you will find the reservation form and
instructions, car rental information, maps of the area, and info on our

RTTY dinners. I would also like to advise you if you have a friend who needs a room and is not an RTTYer we do have enough rooms to share with others.

So don't hesitate any longer, go to the rttyjournal.com web page, get the room form and let me hear from you today.

73

Dale Sinner, W6IWO

- - - - -

Submissions: <mailto:wf1b-rtty@wf1b.com>
Administrative requests: <mailto:wf1b-rtty-request@wf1b.com>
WWW: <http://www.wf1b.com/>
Questions about RTTY reflector: <mailto:owner-wf1b-rtty@wf1b.com>
Questions about RTTY by WF1B: <mailto:wf1b@wf1b.com>

- - -

Submissions: nccc@contesting.com
Administrative requests: nccc-REQUEST@contesting.com
Problems: owner-nccc@contesting.com

- - - - -

Date: Wed, 11 Apr 2001 21:11:13 -0700
From: Patrick Armstrong <aa7fg@gte.net>
To: qrp-1@Lehigh.edu
Subject: [96204] FS: Paddlette KP-4 (NIB) \$50.00
Message-ID: <3AD52AE0.9BB7ED97@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paddlette KP-4 mini key/keyer combo based on TiCK-4... \$50.00

Pat, AA7FG - Oregon

- - - - -

Date: Wed, 11 Apr 2001 21:29:25 -0700
From: "blinn" <blinn@smgazette.com>
To: <k7qo@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96205] Re: [MH101] Prelims done, i.e. SW-30+
Message-ID: <[006501c0c309\\$29253480\\$b5b8e5d8@blinn](mailto:006501c0c309$29253480$b5b8e5d8@blinn)>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That's great news, Chuck... starting this project is exciting for me. I have built some kits over the years (mostly Heathkit stuff and more recently, the DSW 40 and that great classic, TT2.) but never felt that I could be successful at the scratch game. Now, you've got me believing that I can do it! And come away having learned new things. (Although, to my way of thinking, you're the one doing all the scratching. :)) I've built the crystal checker and a square wave generator using the pads and your general instructions on building Manhattan style. (And, even have my 11 year old grandson building a regen receiver from last September's QST. Hope it works.:)) More of these small projects would be a fun way to get the fingers limbered up and ready for the Big Project.

Parts.. I have most of the parts on the your original list... didn't buy the IF transformers since you seemed to lean the toroid direction. But do have everthing else except the power transistor and someone was working on a group buy for that. Don't have the torroids in hand either but do have the kit ordered from Norcal. By the way, I picked up most of the parts not listed by Mouser from Allied Electronics.

The pads were a challenge. For the crystal checker I used my scroll saw to cut 1/4" squares... the blades go real fast. Then the Harbor Freight punch became a bit more of a necessity and was added to the arsenal.

I could never get a legible print from the PDF file of the schematic. Tried to print it on this system, which has a Lexmark 1100 cheapie, then went to my wife's system and her HP 870 and the quality was the same. It views clear and concise on screen, so that will work. Also, I'm trying to reproduce it from pictures I took of it on the computer screen with my digital camera. :) (Haven't downloaded them yet.)

Thanks for taking on this project. I'm sure it will put the "Magic" back for many of us.

Bill - WA7TQK - North Idaho

>
>DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6 EA8 EA7
>
>

--

Date: Thu, 12 Apr 2001 05:19:26 -0400
From: ae5x@netscape.net (John Harper AE5X)
To: qrp-1@lehigh.edu
Subject: [96206] QRV NJ's Appalachian Trail: Low Power Operating on 20m
Message-ID: <10D92D51.3DA27B67.00003ABB@netscape.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"

I will also be QRV from the outdoors over the weekend on the 65-foot band (20 meters). The rig will be a DSW/20 fed by 10 AA batteries with an end-fed half wave antenna. I'll be hiking from Buttermilk Falls to High Point on the NJ section of the Appalachian Trail and will be on the air on the evenings of the 14th and 15th with some brief morning operation (15th & 16th) possible. I'm not too much into contesting from the trail for this trip (don't have the time) so I'll probably be chasing DX on the low part of the band with periodic excursions to 14.060 to see how the contest is going.

Updates later today on my page at:
<http://www.qsl.net/ae5x>

72,
John AE5X

Daniel n0bn wrote:

> Friends,
>
> I will be on the Colorado River from Friday to Sunday AM, and will probably
> operate from one camp maybe 15 miles downstream of Moab.
>
> I will operate QRP/M from Denver to Moab, Ut, mostly along I-70 the afternoon
> and evening of April 12; sleep in car that night; hit the river in my
> inflatable kayak Friday AM; and camp Fri and Sat night; get off the river
> Sunday AM and operate QRP/M on the way back home.
>
> I will have my SMK-1 at 7040 and 7122; VEC-1320 at 14055-65; SW30 from
> 10100-125 and/or NW40 anywhere in CW subband. I am not a tester and don't
> like crowds so will most likely be hiding out up in 40 M Novice subband if
> it's too crowded elsewhere.
>
> I will operate most consistently in the evenings but probably also a bit on
> Saturday and Sunday mornings and sporadically during the day Saturday.
>

> I will be operating from a 2 Ah lead acid battery which I only charge with a
> little solar panel so will be natural powered both on and off the river.
> Antennas will be dipoles.
>
> It'll be interesting to see how well I get out from the 2000 foot canyon
> walls, and up and down the river gorge itself. This is my first river trip
> with radios and I haven't been out in my Sevylor Tahiti inflatable kayak in
> about 3 years so am really looking forward to the experience.
>
> Daniel n0bn
>

--

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Get your own FREE, personal Netscape Webmail account today at <http://webmail.netscape.com/>

Date: Thu, 12 Apr 2001 05:27:48 EDT
From: K5BDZ@aol.com
To: k4ahk@ix.netcom.com, qrp-1@lehigh.edu
Subject: [96207] Re: 35 ohm coax
Message-ID: <d3.13487471.2806cf14@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Bill

the only 35 ohm coax I know of is two equal runs of 72 ohm connected in
parallel. Little tough to get a single connector on the ends so you'll need
to improvise with T- adapters or similar
bill K5BDZ

Date: Thu, 12 Apr 2001 08:24:03 -0300
From: Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [96208] sw4040
Message-ID: <CAF7A799892ED411982E00D0B713C7C74E7002@ANATELMAILE>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi. gang..again on the list. Recent i=B4ve passed in a ham exams and i =
now
got access to good bands like 20 and Warc.
i hope to stay on the next days.....
=20
I would like if somebody have a modification of 40-40 to 20mt band..
Tnx for help...
=20
Kleibe
PP2KJA
Brazil

Date: Thu, 12 Apr 2001 07:55:45 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96209] RE: Don't miss FISTS Clubs Coast to Coast
Message-ID: <XFMail.010412075545.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

It is most unfortunate that Fists chose to schedule this the weekend of the
QRP/ARCI
Spring QSO Party. Since the Party was scheduled long before the Fists Coast to
Coast, I fail to understand why Fists chose to schedule this way.

John W2AGN

On 12-Apr-01 N7SG K7FD wrote:
> Thought I'd pass this along...John, K7FD
>
>
> From: "Bahr, Casey" <casey.bahr@intel.com>
>
> Hi Folks,
>
> This weekend, Sat. and Sun. is the 2nd annual Coast-to-Coast FISTS Club
> event (5 PM - 5 PM PDT). We have 25+ clubs confirmed to be on the air, from
> all over the U.S., including a couple of submarines!

Date: Thu, 12 Apr 2001 05:59:44 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <K5BDZ@aol.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96210] Re: 35 ohm coax
Message-ID: <Pine.LNX.4.31.0104120556100.867-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bill, I made a 35 ohm transformer by making just what you say, 2 70 ohm coax runs a quarter wavelength. I used rg-59 and you can poke 2 coax ends into a PL-259 connector. Fill up the gaps with rtp.

On Thu, 12 Apr 2001 K5BDZ@aol.com wrote:

> Bill
> the only 35 ohm coax I know of is two equal runs of 72 ohm connected in
> parallel. Little tough to get a single connector on the ends so you'll need
> to improvise with T- adapters or similar
> bill K5BDZ
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 12 Apr 2001 12:15:52 +0100
From: "Mark Paley" <mpaley@wcnet.org>
To: "Low Power Radio Group" <qrp-1@lehigh.edu>
Subject: [96211] interfacing a PDA with a QRP rig
Message-ID: <PGEPLCEGJDMJPHIGJMDGGENHCIAA.mpaley@wcnet.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I may be purchasing a Palm Pilot or the Compac iPaq 3650 pocket PC with the intention of interfacing the unit with one of my QRP rigs for the purpose of sending CW. I can copy CW much faster than I can send it. Maybe it's the rigors (rigormortis?) of old age, but when I try to send 25WPM or so it's not real pretty. In any case, has anyone in this group hooked up a Palm or any other PDA to a rig? What sort of cabling is required? What were the results?

Thanks,
Mark Paley--KF8KL--

K1 #117, K2 #250
and Grand Kingfish of The Mystic Knights of the Vine
<http://wcnet.org/~mpaley>

Date: Thu, 12 Apr 2001 08:20:19 -0400
From: Jake Brodsky <frussle@erols.com>
To: qrp-1@lehigh.edu
Subject: [96212] Re: "Making Verticals Quieter"
Message-ID: <ib7bdtoqqsgjftk7k74j24urdomjh12k18@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Tue, 10 Apr 2001 22:43:00 -0400, Pete NV4V wrote:

>The subject is the title of a Tech Forum note in Ham Radio Jun 1983.
>It is by Robert Crawford WA6RYZ
>It describes A !:1 Balun installed at the base of a vertical to reduce =
local
>QRN.
>It is 11 bifilar turns on an Amidon Balun core which I assume is the =
big=20
>red T-200
>one.
>The TX feed (starting at the left....>>>>coil>>>> goes to ground
>The antenna is connected...ground<<<<<coil <<<<< feedpoint

Look up the 1.5:1 UnUn in Jerry Sevick's book on Baluns and UnUns. He
discusses this very issue. =20

I can see why one might want to decouple a vertical antenna from a
relatively short feed-line --particularly in cases where the feed-line
has to snake through a building next to all sorts of noise sources. =20

However, this alone won't "quiet" your vertical antenna much. The
only thing such measures will reduce will be locally acquired noise
sources due to feed-line radiation. If the coax goes straight out a
window toward your antenna, I wouldn't bother.

=46inally, the "noisy" features of a vertical antenna have more to do
with its omni-directional low angle of radiation than anything else.

If there are lots of noise sources on the horizon (and that's usually where you find them) you can expect lots of noise. To really "quiet" things down you need directivity. And that is something you'll only get with phased arrays, beverages, rhombic arrays, and so on.

73,

Jake Brodsky, <mailto:frussle@erols.com>

"Nearly fifty percent of all graduates came from=20
the bottom half of the class."

Date: Thu, 12 Apr 2001 08:22:26 -0400

From: Pete Burbank <plburbank@kih.net>

To: phil@vaxxine.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [96213] Re: "Making Verticals Quieter"

Message-ID: <5.0.2.1.0.20010412075459.00a94620@KIH.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:32 PM 4/11/2001 -0400, Phil (VA3UX) wrote:

>. (SNIP)

>

>Pete mentioned subsequently that "transformer" was the word used in the
>article, and that I can understand. But a bifilar transmission line
>transformer still won't put anything at ground potential - at least for the
>designs that I can recall.

>(SNIP

Phil,

I'll repeat the hookup >>>Feedline>>>>COIL>>>> ground

====CORE=====

ground<<<<<<<<COIL<<<<<<<<ANTENNA

So the antenna really is grounded.

I think the original claims stemmed from a reduction in wind and other weather induced noise.

73 Pete NV4V

Date: Thu, 12 Apr 2001 08:29:48 -0400

From: "Sam Billingsley" <sambillingsley@earthlink.net>

To: <QRP-L@Lehigh.EDU>, "_NOGATECH" <nogatech@topica.com>

Cc: <jthiessen@videotron.ca>

Subject: [96214] RE: 12v Gelcel Charger Circuit

Message-ID: <006c01c0c34c\$44ea23e0\$ee58313f@sbillingsley>

I have built the UC3906 circuit using the FAR Circuit board and it works great. I have no problem recommending it. It works exactly as described. I think the design is from a QST or ARRL Handbook article. I have added an off board switch to change one of the shunt resistors values to allow selection of 1,4,7 aHr charging.

I actually saw the VK3EM article first and was going to try to order it but found the FAR Circuits board available and went that route. Fast method. FAR even had the UC3906 chips You may need to check on availability.

Sam Billingsley AE4GX Atlanta North Georgia QRP Club

>>>>>snip from QRP-L list

I would like to build a 12v gel cel charger using the Texas Instrument UC3906 chip. I have the chip. I need a good reliable circuit and PCBs for myself and 2 local area hams.

I'm considering ordering ready made PCBs from FAR circuits. It's based on the ARRL 1992 Handbook Ch27 (Fig 66)circuit. I don't have the 92 handbook and would appreciate any info anyone may have including a schematic and your experience with this particular circuit .

Also, I know about the VK3EM gelcel charger and I am ready to buy circuit boards from Luke, but he no longer seems to be receiving my e-mails. Its a shame because he said he had 14 boards left on hand. Anyone have any experience with the VK3EM sealed lead acid (gelcel) charger?

Thank-you in advance for your assistance and comments.

Jim VA3KV

>>>>>snip>>>>>

Date: Thu, 12 Apr 2001 09:22:24 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.edu>
Subject: [96215] QRP on the ARRL Web site ... again. :-)
Message-ID: <125490A005E3D3118C9C00805FC743CC01C16E10@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

<http://www.arrl.org/news/stories/2001/04/11/1/?nc=1#qrp>

And I had nothing to do with this one. Maybe we are getting the editors trained! :-)

73,

Ed Hare, W1RFI

ARRL Laboratory Supervisor

225 Main St

Newington, CT 06111

Tel: 860-594-0318

FAX: 860-594-0259

Internet: w1rfi@arrl.org

ARRL Web: <http://www.arrl.org>

ARRL Technical Information Service: <http://www.arrl.org/tis/>

Date: Thu, 12 Apr 2001 08:42:38 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-1@lehigh.edu
Subject: [96216] Fwd: FS: Drake 2880s - Gone
Message-ID: <4.3.2.7.2.20010412084155.00bd4d90@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The Drake downconverters have been sold. Thanks.

Ed, N5EM

Date: Thu, 12 Apr 2001 10:00:53 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <frussle@erols.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [96217] RE: "Making Verticals Quieter"
Message-ID: <000a01c0c358\$fcf30fe0\$df0cf618@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

At times I notice that my pair of phased 80-M verticals is quieter than my 150-ft-long doublet (fed with open wire feeders through a balanced tuner) at 65-ft. As such, I occasionally copy a DX station Q5 that would be covered by

noise on the horizontal antenna.

Just an observation, for what it's worth.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Jake Brodsky

Sent: Thursday, April 12, 2001 8:20 AM

To: Low Power Amateur Radio Discussion

Subject: Re: "Making Verticals Quieter"

On Tue, 10 Apr 2001 22:43:00 -0400, Pete NV4V wrote:

>The subject is the title of a Tech Forum note in Ham Radio Jun 1983.

>It is by Robert Crawford WA6RYZ

>It describes A !:1 Balun installed at the base of a vertical to reduce local

>QRN.

>It is 11 bifilar turns on an Amidon Balun core which I assume is the big

>red T-200

>one.

>The TX feed (starting at the left....>>>>coil>>>> goes to ground

>The antenna is connected...ground<<<<<coil <<<<< feedpoint

Look up the 1.5:1 UnUn in Jerry Sevick's book on Baluns and UnUns. He discusses this very issue.

I can see why one might want to decouple a vertical antenna from a relatively short feed-line --particularly in cases where the feed-line has to snake through a building next to all sorts of noise sources.

However, this alone won't "quiet" your vertical antenna much. The only thing such measures will reduce will be locally acquired noise sources due to feed-line radiation. If the coax goes straight out a window toward your antenna, I wouldn't bother.

Finally, the "noisy" features of a vertical antenna have more to do with its omni-directional low angle of radiation than anything else. If there are lots of noise sources on the horizon (and that's usually where you find them) you can expect lots of noise. To really "quiet" things down you need directivity. And that is something you'll only get with phased arrays, beverages, rhombic arrays, and so on.

73,

Jake Brodsky, <mailto:frussle@erols.com>

"Nearly fifty percent of all graduates came from the bottom half of the class."

Date: 12 Apr 2001 09:03:53 CDT
From: David Kukulka <dkuk@usa.net>
To: qrp-1@Lehigh.EDU
Subject: [96218] SW40+ to SW20+ Mods??
Message-ID: <20010412140353.9331.qmail@nw128.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

I'm looking for information on any mods to operate an SW-40+ on 20 meters. =

Tnx in advance.

73
Dave

David Kukulka, KB9YQN dkuk@usa.net =
website: <http://www.qsl.net/kb9yqn/>

Get free email and a permanent address at <http://www.netaddress.com/?N=3D=1>

Date: Thu, 12 Apr 2001 07:10:49 -0700 (PDT)
From: N1EU <n1eu@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [96219] Elmer kits
Message-ID: <20010412141049.2131.qmail@web204.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I would appreciate helpful comments recommending a xcvr kit with the main goal being to educate myself about rf circuit design. Secondary to that is having a nice qrp radio when I'm finished.

I've read about the SW+40 in conjunction with the Elmer 101 notes. Another option seems to be the NorCal 40A in conjunction with David Rutledge's "The Electronics of Radio". I haven't seen Rutledge's book as yet. As I said, my fundamental interest is education.

So my main question, if anyone could help, is which of these kit/text combinations might serve best as a tutor to understand rf circuit design (esp receivers). I'm already fairly proficient with kit building, and can manage to stumble around a circuit board with a scope probe when things don't work ;-)

Tnx vy much & 73,
Barry N1EU

Do You Yahoo!?
Get email at your own domain with Yahoo! Mail.
<http://personal.mail.yahoo.com/>

Date: Thu, 12 Apr 2001 08:14:07 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96220] RE: interfacing a PDA with a QRP rig
Message-ID: <000b01c0c35a\$d769c500\$3f813389@ekdant>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mark and all,

I've just finished a PIC (16F84) microcontroller hardware project for myself which handles rig keying and is controlled by a Palm computer. It accepts a string of characters to send from the Palm via a serial connection (through its hotsync port) and sends them on the rig by plugging into the straight key jack. The circuit can also be driven by a PC via its serial port. It uses 9600/8/1/N for communications. NOTE: this is NOT an interface like what TR and CT use. TR and CT (among others, I'm sure) directly manipulate one of the data lines in a serial or parallel port to key the rig. My circuit, on the other hand, is a true serial device with a simple communications protocol. The advantage of this is that the computer is not tied up worrying about CW timing and such--it just sends the string to the interface and

forgets about it. Another advantage is that it can be made to work with any computer that has an RS232 serial port, and should work with WinNT (which won't allow you to manipulate the data ports at a low level without some pretty fancy programming). The disadvantage is that there is no commercial software which works with this circuit (other than terminal programs, of course!).

I designed the circuit for use in field contests, and am working on an application for the Palm to handle contest logging. I hope to have a prototype version ready for QRPTTF, but it won't be very full-featured. Later versions should be more capable. This first version is only for QRPTTF and is a proof-of-concept.

Of course, I will be publishing the details about this project as soon as it's mature enough. If not in a magazine or a QRP journal, I'll at least put a page on my web site. There is nothing written yet, though, since it's still in development. I'll post to the list when I've written it up. In the mean time, if you absolutely gotta know more, let me know. I can share the schematic and hex code with you if you want to build one. I'll even share the Palm program once I get enough in it to make it worthwhile. If it's just idle curiosity, hold off for a while--I need all the time I can spare to get this ready for QRPTTF.

73 de Dave AB0GO

Date: Thu, 12 Apr 2001 09:02:09 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Ed Tanton <n4xy@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96221] Re: Propagation question... more "stuff"?
Message-ID: <Pine.SUN.4.10.10104120833300.22770-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 11 Apr 2001, Ed Tanton wrote:

> Has this cycle produced a whole lot more "stuff" (spots, geomag. storms,
> proton events, etc.) than preceding cycles,

Good question, Ed.

It appears this solar cycle, number 23, is a little "soft" compared to those in the past. This means the average solar flux around the peak

(like right now) around 220 is a bit low -- compared to average solar fluxes around 300 in past cycles. This means the E and F layers just didn't get as ionized as in some past cycles -- or another way to look at it -- not as many days with good 10M openings.

However, this has very little to do with the amount of activity we are seeing from the sun -- that is, the flares and resulting geomagnetic storms. This is about an average solar cycle so far in terms of the number of major flares, proton events, etc. At least BEFORE the solar maximum. 80% of the major solar flares and disruptive geomagnetic storms occur AFTER the solar maximum. So the really hot activity from this solar cycle, statistically, has yet to occur. And judging by the activity over the past month, it appears this flurry of post-maximum activity is right on time. So while the solar flux is now slowly on the decline, we are entering the period of time where some spectacular solar activity can be expected.

> or am I just paying more
> attention to things (mostly thanks to the Internet)?

Due to the internet, qrp-l, etc., I'm sure many of us are simply paying more attention. I've worked at the NRAO observatory since 1977, and in the past, the primary system for getting near-real time information was subscribing to a teletype machine connected to the International Astronomical Union (IAU) for alerts on flares, supernovas, etc. Most solar information was contained in a monthly newsletter published by NOAA containing the daily flux values, etc. ... but you generally did not get that until halfway through the following month! It was more a historical document than anything you could use as science :-)

So when you look up this near real-time data showing flare activity from the satellite x-ray detectors, or where the aurora oval currently is, etc. -- this is real-time data the professional astronomers would have killed for only 10 years ago!!! How life has changed with a little dot-com stuff, huh?

And thanks Ed, Rod, and a couple of others, for posting the solar alerts now and again when something happens. There's many days at work where I don't have email access until the end of day or afterwards, so can't always be the one to pass it on. That way, those on qrp-l with the interest are kept well informed.

72, Paul NA5N

PS - No visable aurora last night from NM :-(

Date: Thu, 12 Apr 2001 09:08:02 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [96222] Laptop battery final
Message-ID: <Pine.LNX.4.31.0104120902350.1081-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well now have all 8 rechargeable cells in place. My IBM 365XD Laptop charges the batteries in 1.2 hours! It runs for just over 2 hours with normal use like writing a trip report and looking at the maps of an area being traveled. I have the Delorian road map and USGA topo maps for New Mexico.

Now to do the map or write a quick note, I use the laptop.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 12 Apr 2001 11:29:08 -0400
From: John Wagner <john@neknetwork.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96223] Re: Propagation question... more "stuff"?
Message-ID: <3AD5C9C4.8E03CE4E@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Paul Harden, NA5N" wrote:

>
> 72, Paul NA5N
>
> PS - No visable aurora last night from NM :-(

Had a real nice aurora display here on the 45'th parallel in N.VT around 11pm last night. I was outside watching it for about 20 minutes. White streaks starting in the north and whisping almost directly over head. There was some red and blue at all times on the northern horizon. This is the first time we've had a clear sky to coincide with aurora activity, so it was a real treat.

My friend Tim, N1RZ has been bugging me to get on 6 meters and work some of this aurora activity. So after watching the sky for a while last night I finally did - and I'm glad I did! The first CQ I heard was Tim! It sounded like he was blowing a bullhorn - what a neat sound! We traded 55a's back and forth. After Tim I worked WA3SIX and another ham who's call I don't remember (it's downstairs in my log).

I'm not (nearly) as hooked on 6m as my friend Tim, but it was exciting to finally have a few Q's on it. The sound of the CW was bizarre, but really neat! If I had more time I would have stayed up and worked more, but it was a bit past my bed time already.

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Date: Thu, 12 Apr 2001 10:26:29 -0500

From: wd4et@juno.com

To: n1eu@yahoo.com

Cc: qrp-l@Lehigh.EDU

Subject: [96224] Re: Elmer kits

Message-ID: <20010412.102907.1016.0.wd4et@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hi Barry,

I have both the NC40A and the SW40. You can't go wrong with either radio.

My personal favorite is the 40A. The kit is very high quality and easy to build. It is also one of Wayne's designs (K2, etc.). The Rutledge is excellent but very detailed. The 40A and other qrp kits of it's vintage were featured in a QST article back in '96. That and an ARRL pamphlet on Radio Operating about the same time got me excited about QRP.

I built the 40A in 96 and carried it on a vacation trip to the Appalachian mountaing. My first three contacts with it were on the side of a mountain at Amicolola Falls in north Georgia. That is the southern terminus of the Appalachian trail. That and the fact that it was my first qrp kit will keep forever in a favored position in my shack.

72/73 Jeff WD4ET, now in Houston

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 12 Apr 2001 11:40:06 -0400

From: Chuck Ludinsky <cjl@mitre.org>

To: neqrp@jonal.net, qrp-l@lehigh.edu

Subject: [96225] NEQRP CW Net, Thursday, 12 April, 9:00 PM EDT, 3.561 MHz

Message-ID: <3AD5CC56.735D6D74@mitre.org>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP CW net meets again Thursday night, 12 April 2001, at 9:00 PM EDT (0100Z, 13 APR 01) on or near 3.561 MHz. Net control operator for this week's 80M session will be Chuck, K1CL, operating from Chelmsford, MA.

John, WB1HBE, also operating from Chelmsford, was last week's net control operator. John reported a good net, running about an hour in length, with a total of ten check-ins:

WA1JXR	Greg	Lancaster, MA	599
AB8DF	Ed	Waterford, MI	339
WA3WAW	Bert	Uniontown, PA	559
N1EI	Charlie	Mansfield, CT	599
W1CFI	Paul	Falmouth, MA	339
KD1YV	Jim	Bethel, CT	599
AA1HV	Zoel	Westford, MA	599 plus
KB1ENS	John	Holland, VT	599
W1KRT	Ken	Springfield, NH	599
N1ZSW	Ron	Worcester, MA	559

With unusual solar conditions and static-producing rains in the Northeast, conditions on HF have not been the best during the last several days. And it looks like those conditions will continue at least through tonight. Makes it that much more of a challenge :) Stop by and say hello.

72 DE K1CL,
Chuck.

Date: Thu, 12 Apr 2001 15:43:09
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [96226] 2M Homebrew anyone?
Message-ID: <F130i7M4BAyxJMXehYS000072c0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The other day I was changing the oil in my car and had the receiver tuned to 20 meters listening to CW. There are usually numerous folks walking up and down our street. One of these pedestrians caught ear of my receiver and walked on up. It turned out that he was a local ham (WA1VGA). We got to talking while my oil pan drained. I mentioned that I have been a long-time homebrewer and SWL and recently have decided to study for the ham exams. I showed him some of my radio junque. I asked about local activity (clubs and such) and he gave me a frequency on 2 meters to listen in on. Well, I don't have a 2 meter receiver. Can anyone point me in the direction of good homebrew projects for 2 meters (primarily receiving gear)? A mere converter probably wouldn't do me much good since my receivers are comprised only of a SONY ICF-2010 and various regens. Probably OK for CW and SSB but not for FM.

Where are all the 2 meter homebrewers?

Brad

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Wed, 11 Apr 2001 22:48:45 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <alihernlem@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96227] Re: 2M Homebrew anyone?
Message-ID: <006101c0c2fb\$180c1a00\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ramsey kits makes a nice 2m receiver.
<http://www.ramseyelectronics.com/>

Cheers,
Robert

VE3RPF

----- Original Message -----

From: "Brad Hernlem" <alihernlem@hotmail.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, April 12, 2001 3:43 PM

Subject: 2M Homebrew anyone?

> The other day I was changing the oil in my car and had the receiver tuned to
> 20 meters listening to CW. There are usually numerous folks walking up and
> down our street. One of these pedestrians caught ear of my receiver and
> walked on up. It turned out that he was a local ham (WA1VGA). We got to
> talking while my oil pan drained. I mentioned that I have been a long-time
> homebrewer and SWL and recently have decided to study for the ham exams. I
> showed him some of my radio junkie. I asked about local activity (clubs and
> such) and he gave me a frequency on 2 meters to listen in on. Well, I don't
> have a 2 meter receiver. Can anyone point me in the direction of good
> homebrew projects for 2 meters (primarily receiving gear)? A mere converter
> probably wouldn't do me much good since my receivers are comprised only of a
> SONY ICF-2010 and various regens. Probably OK for CW and SSB but not for FM.
>
> Where are all the 2 meter homebrewers?
>
> Brad
> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com>
>

Date: Thu, 12 Apr 2001 09:14:22 -0700 (PDT)

From: agtaylor@llnl.gov

To: qrp-l@lehigh.edu

Subject: [96228] Re: MH101: A 40m variant of the K7Q0/SW30+ design?

Message-ID: <200104121614.JAA05246@poptop.llnl.gov>

MIME-Version: 1.0

Content-Type: TEXT/plain; CHARSET=US-ASCII

I had no takers. Guess this is a solo effort.

K7GT

--

Allan G Taylor

agtaylor@llnl.gov

Date: Thu, 12 Apr 2001 12:15:11 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.edu>
Subject: [96229] RE: Propagation question... more "stuff"?
Message-ID: <125490A005E3D3118C9C00805FC743CC01C16E18@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> PS - No visable aurora last night from NM :-(

Here in NE, we probably have had some aurora that would be visible if it weren't for all those pesty clouds. :-(Every time we have a major flare lately, we have 3 days of cloud cover. I have yet to see an aurora with my own eyes. I am hoping for a break this weekend.

73,
Ed, W1RFI

Date: Thu, 12 Apr 2001 16:02:02 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: "Bahr, Casey" <casey.bahr@intel.com>
Cc: k7fd@hotmail.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96230] Re: Don't miss FISTS Clubs Coast to Coast
Message-ID: <3AD58B2A.8AD4628F@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Wednesday, 11 April 2001, <casey.bahr@intel.com> wrote:

> This weekend, Sat. and Sun. is the 2nd annual Coast-to-Coast FISTS Club
> event (5 PM - 5 PM PDT). We have 25+ clubs confirmed to be on the air, from
> all over the U.S., including a couple of submarines!

Hello Casey. I don't know how many FISTS members might be aware of the QRP ARCI Spring QSO Party which also takes place this weekend. My fear is a QRM situation due to the close proximity of the normal frequencies used by both clubs. FISTS generally use .058 with .060 being the normal QRP freqs. That's really close especially when people are trying to spread out somewhat rather than congregating on one frequency. It's an unfortunate situation (but one that occurs most weekends with multiple contest situations of which there is no solution).

We can only hope that both entities become recognizance of one another and that courtesy rules. Personally, I have alliances to both groups.
HI

Since I'm no longer subscribed to the FISTS List, it is my hope that someone can post a message making them aware of the ARCI Contest and the frequency situation involved (just as K7FD has done here on the Low Power Amateur Radio Discussion group).

Thanks Casey and good luck to all.

73 //Gary *K8KFJ*
FISTS #1732
ARCI #10728

Date: Thu, 12 Apr 2001 12:29:36 -0400
From: Pete Burbank <plburbank@kih.net>
To: ai2q@adelphia.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96231] RE: "Making Verticals Quieter"
Message-ID: <5.0.2.1.0.20010412105207.00a77160@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:00 AM 4/12/2001 -0400, AI2Q Alex wrote:

>At times I notice that my pair of phased 80-M verticals is quieter than my
>150-ft-long doublet (fed with open wire feeders through a balanced tuner) at
>65-ft. As such, I occasionally copy a DX station Q5 that would be covered by
>noise on the horizontal antenna.

>

>Just an observation, for what it's worth.

>

>Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Alex

I sure agree with your comments.

I ran two 5/8 wave verticals on 30 meters with about 60 radials and could hear

every hairdryer in Lex.Ky.I looked up the takeoff angle and it was about 11 Degrees from horizontal.The cool thing is that puts your first skip WAY out there.

An interesting aside was running upon a similar grounded feed system in Ed Noll's Book (W3FQJ)... "73 Beam, Vertical, and Triangle Antennas" page 53.

He spaces two 20 meter $\lambda/4$ wave verticals 27feet apart and then feeds them with 300

ohm line fed with a balanced tuner.

The phasing line has a VF of .82 so his phasing line is 28.4 feet long .He feeds it with the usual

connection TX >>>>>>ant>>>>phasing line>>>>ant for an end fire pattern and then TRANSPPOSES the phasing line for a broadside pattern.

```

      _____I      _____I
TX>>>>_____X      _____
                        ANT!
```

ANT2

Both antennas are ground mounted so you wind up with two grounded antennas using the second (transposed) phasing connections.

I've GOT to try this one!!! The feed point Z seems pretty far from the normal input Z for a vertical.....better dig out Sevick's book hereHI!!!!

73 Pete NV4V

Date: Thu, 12 Apr 2001 12:37:51 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [96232] Re: 35 ohm coax
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9DCD@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

<http://www.thewireman.com/coaxp.html>
\$3.24/foot!

Date: Thu, 12 Apr 2001 09:47:39 -0700
From: Beth Gardner / Dan Maguire <BethDan@pacbell.net>
To: qrp-1@Lehigh.EDU
Subject: [96233] WTB: Used book, Chipman on Transmission Lines
Message-ID: <3AD5DC2B.8C0@pacbell.net>

MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

I'm looking for a copy of Robert Chipman, Theory and Problems of Transmission Lines (Schaum's Outline Series), 1968. I have pending requests outstanding with all the usual web dealers (Abebooks, Alibris, Bookfinder, Bibliofind, Powell's, etc), so far with no luck. I've also corresponded with several "out of the way" dealers, again nada. (For some reason Victoria, British Columbia, seems to be a real hot bed for this stuff!)

I did manage to get a copy on inter-library loan from a distant city, but I had to return it after 3 weeks. Every night I would call out to my wife, "Honey, I'm going to read in bed for a few hours," and every night she would knowingly answer, "Yes, dear." So I'd plump up the pillows and get nice and comfy, and within about two minutes both Golden Retrievers would be next to me, snoring away happily and chasing squirrels in their dreams. (The dogs are allowed on the bed only on "special occasions." Apparently Dad-reading-and-Mom-out-of-site is special enough for them.) Now the Chipman textbook would never be confused with a Tom Clancey page-turner, so in about another two minutes I've joined the dogs in dream-land, complete with little bits of drool coming out of the corner of my mouth. The next night the whole process would be repeated.

So, do any of you folks happen to have a copy of Chipman just gathering dust, or by any chance know of some obscure source that I might not have checked. I'd be eternally grateful, as would my dogs.

With pen in hand and checkbook open,

Dan AC6LA
Morgan Hill, CA

Date: Thu, 12 Apr 2001 12:43:50 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [96234] QRP 'Hall of Fame'
Message-ID: <000301c0c388\$e68f6660\$8a20fc9e@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is not really a QRP 'HOF' topic, but it seemed a fitting way to

follow up on my earlier posting of an impending move.

I'm very pleased to report that ownership of our present home has just passed to Zack, W1VT and Mary Lau, N1VH, of ARRL fame. We're thrilled, of course to know that it's going to such a well-respected QRP'er and his lovely wife. For what it's worth, they did a head count and it looks like a total of 5 QRP ARCI members will be participating or assisting in the move! Probably a record?

New address and phone information is now up on my website

<http://smallwonderlabs.com>

73- Dave Benson, NN1G

Date: Thu, 12 Apr 2001 12:58:13 -0400
From: Jim Stafford <w4qo@amsat.org>
To: qrp-l list <qrp-l@lehigh.edu>, qrp@qth.net
Subject: [96235] Antennas and Feedlines by L. B. Cebik, W4RNL
Message-ID: <3AD5DEA5.4A7BF99D@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

At last! After several months of attempts to get Antennas & Feedlines for QRP into print, this great book by L. B. Cebik, W4RNL, is finally here and available from the QRP-ARCI Toy Store. Over 125 pages, the book is available for \$13 postpaid until May 1, 2001 and then \$13 + \$3 for Priority Mail. All prior orders have now been mailed. We appreciate your patience.

Thanks to L. B. for working so hard on this project to benefit the club and to Hank Kohl, K8DD, for producing the book and for being your point to order this book. You may send money (check to QRP ARCI) or you may use PayPal (see web site) to forward the amount specified to Hank. Go to the Toy Store page on the club web site:
<http://www.qsl.net/k8dd/toystore/thetoystore.htm>

If you are mailing, be sure to note Hank's relatively new mailing address:

2130 Harrington
Attica, MI 48412-9312

--

Jim Stafford, W4Q0@arrl.net 770-993-9500
President - QRP ARCI <http://www.qrparci.org>
Chief Op: <http://www.w4qo.com>
My local QRP club: <http://www.nogaqrp.org>

Date: Thu, 12 Apr 2001 21:03:20 +0400
From: "Oleg Borodin" <vector72@lipetsk.ru>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [96236] The Morse code
Message-ID: <20010412170533Z12261-293+5418@relay.lipetsk.ru>
MIME-Version: 1.0
Content-Type: text/plain; charset=Windows-1251
Content-Transfer-Encoding: 7bit

Does anybody know, how we must coding in CW the sign - "@"? Nowhere can't find.
Oleg V. Borodin E-Mail: vector72@lipetsk.ru
72 & 73! de RV3GM/QRP

Date: Thu, 12 Apr 2001 11:08:05 -0600
From: "Bruce Kizerian" <kizerian@ced.utah.edu>
To: <BethDan@pacbell.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96237] Re: Used book, Chipman on Transmission Lines
Message-ID: <055b01c0c373\$246aac80\$316b6e80@ced.utah.edu>

If you haven't already, try www.bookfinder.com This sight will check a whole bunch of new and used book sellers at once.

Check on a daily basis. You may be out of luck for a while. Sounds like you have already checked most of the good sources for used books.

Hope this helps.

Bruce kk7zz

Date: Thu, 12 Apr 2001 13:21:57 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [96238] RE: [fpqrp] STORM IN PROGRESS, 11-12APR
Message-ID: <XFMail.010412132157.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

So THIS is what happens when you schedule a contest on Easter weekend!

John W2AGN

On 12-Apr-01 Bill Harbour wrote:

>> Today, region 9415 produced another fairly strong M class flare, still
>> fairly geoeffective, and the shockwave from this will likely hit
>> early saturday.
>>
>> So ... conditions on HF are expected to remain pretty poor for the next
>> few days, particularly the lower bands. 20M will be rough, 15M better
>> during daylight and early evening. Of course, your mileage will differ,
>> since such a huge storm is dynamic with different characteristics at
>> different locations around the globe.

Date: Thu, 12 Apr 2001 13:29:57 -0400
From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
To: <vector72@lipetsk.ru>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96239] Re: The Morse code
Message-ID: <003301c0c376\$35b6bee0\$958f4d0c@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1251"
Content-Transfer-Encoding: 7bit

Oleg,

If you are sending e-mail address the "@" is sent as "at". In message handling on NTS your e-mail would be sent as 5 words: "vector72" "at" "lipetsk" "dot" "ru" and would be sent in voice communications the same way. I hope this helps.

Joe Ad4IH

----- Original Message -----
From: "Oleg Borodin" <vector72@lipetsk.ru>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, April 12, 2001 01:03 PM
Subject: The Morse code

> Does anybody know, how we must coding in CW the sign - "@"? Nowhere can't
> find.
> Oleg V. Borodin E-Mail: vector72@lipetsk.ru
> 72 & 73! de RV3GM/QRP
>

Date: Thu, 12 Apr 2001 10:38:31 -0700
From: <schoon@amgt.com>
To: <qrp-1@Lehigh.EDU>
Subject: [96240] RE: Vacationing in San Juan Islands - W7 Land - 04/15-4/19
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BDC-010412173831Z-213@ag-basalt-pxy.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I guess including a callsign and where to find me would help! Call is KA6WKE and I'll be around the QRP 'watering hole' on 40M. This is my second attempt at QRP vacation and I guess it showed! :)

72

.mark

KA6WKE - <http://www.qsl.net/ka6wke>

-----BEGIN GEEK CODE BLOCK-----
Version: 3.1
GCS/E/IT/O d- s+ a C++++\$ L++++\$> P+++> L++ E--- W-- N+ o K- w-- !O
M- !V PS+ PE+ Y+ PGP t+ !5 X R- tv b+++ DI+ D- G e++ h--- i+++ z++++
-----END GEEK CODE BLOCK-----

>-----
>From: Mark Schoonover
>Sent: Wednesday, April 11, 2001 9:58 PM
>To: Low Power Amateur Radio Discussion

>Subject: OT: Vacationing in San Juan Islands - W7 Land - 04/15-4/19

>

>Thanks for reading!

>

> I will have SW-40+, and various wire antennas as well as VX5. Will
>mostly monitor the 2m/440 repeater on Friday Harbour which is in San
>Juan County according to the latest ARRL Repeater Guide. Most HF work
>will be done in the later evenings - 2030 PDST. I'm pretty sure this is
>an IOTA island and will QSL. If you wan't a sked, I can do my best, but
>you need to set it up before I leave on 04/13 because I won't be
>checking email after that date!

>

>72

>

>.mark

>

> | Unix, MS-DOS, Windows.

> | Also known as The Good, The Bad

> | And the Ugly...

>

>

>

Date: Thu, 12 Apr 2001 11:58:15 -0600

From: "Rod Cercone" <n0rc@hotmail.com>

To: vector72@lipetsk.ru, qrp-1@Lehigh.EDU

Subject: [96241] Re: The Morse code

Message-ID: <F63XUIEA0eIiGXix4A200004dfc@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Oleg,

I don't know of on, most people just send the letters "AT", probably shorter
than a Prosign anyway, ;-)

73, Rod N0RC

Fort Collins, CO

>From: "Oleg Borodin" <vector72@lipetsk.ru>

>Reply-To: vector72@lipetsk.ru

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>Subject: The Morse code

>Date: Thu, 12 Apr 2001 21:03:20 +0400

>

>Does anybody know, how we must coding in CW the sign - "@"? Nowhere can't
>find.
>Oleg V. Borodin E-Mail: vector72@lipetsk.ru
>72 & 73! de RV3GM/QRP

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Thu, 12 Apr 2001 14:48:46 -0400
From: "Russ Hines" <wb8zcc@one.net>
To: <kd1jv@moose.ncia.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [96242] Re: HB sheet metal brake
Message-ID: <00b201c0c381\$37d86560\$202717d8@rbhines>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8BIT

Good going, Steve. Seems to me L.B. Cebik wrote a QST article on this very thing
not long ago.

Off to check my QST's.

73,
Russ Hines
WB8ZCC
wb8zcc@one.net
wb8zcc@arrl.net

----- Original Message -----
From: Steven Weber <kd1jv@moose.ncia.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, April 11, 2001 7:25 AM
Subject: HB sheet metal brake

> I've always wanted a sheet metal brake to make little custom metal
> boxes for projects, but never seemed to be able to justify going out
> and buying one. So, I finally got around to building a crude, but
> effective brake from some stuff found at the local hardware store.
>
> I bought a 3 foot length of 1" "weldable" steel angle iron, a pair of
> 1" hinges and some 10-24 x 3/4" nuts and bolts.
>

> Cut the angle iron in half. Place the two pieces together to form a
> "T". Drill holes to attach the hinges at each end, on top of the "T".
> Drill the holes in the piece of angle iron which will pivot large
> enough to allow adjusting the spacing between the two pieces of angle
> iron for various thickness of material.
>
> Now bolt one of the pieces of angle iron to the edge of a plywood
> board. You'll need a way to clamp the material to be bent, so, using
> a jig saw, I cut a slot behind the angle iron bolted to the plywood
> big enough to put a "C" clamp in. I went back to the hardware store
> and got a length of 1" x 1/8" flat steel to clamp over the material
> to be bent.
>
> Eventually, I should have someone weld a handle onto the angle iron,
> but for now, I'm using an 8" adjustable wrench for a handle.
>
> I've bent a few pieces of thin steel and aluminum for practice and it
> works FB. I was able to do a decent 90 degree bend in 1/8" aluminum
> and 1/8" soft steel. I should now be able to make boxes like those
> used for the NC-20 and SST. Good deal! Total investment, less than
> \$10 and a few hours of time.
>
>
> 72,
> Steve, KD1JV in the white Mountains of New Hampshire
> "melt solder"
>
>

Date: Thu, 12 Apr 2001 12:06:00 -0700
From: Stephen M Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [96243] Re: HB sheet metal brake
Message-ID: <20010412.120601.-312569.1.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And for those of us (me included) with somewhat less imagination than ol'
Steve-0, check out Lindsay Books:

<http://www.lindsaybks.com/dgjp/djgbk/series/index.html>

Bottom of page. Usual disclaimers apply (besides, the site is a hoot
just to visit).

73.....Steve 'The Scrounger' Smith
WB6TNL Oxnard, CA USA
"snort rosin"

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Date: Thu, 12 Apr 2001 12:14:15 -0700

From: <schoon@amgt.com>

To: <qrp-1@Lehigh.EDU>, <wb8zcc@one.net>

Subject: [96244] RE: HB sheet metal brake

Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BDC-010412191415Z-225@ag-basalt-pxy.amgt.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Yes, I think he did and IIRC, it's also on the ARRL TIS page(s) somewhere. I did buy a real brake from Harbour Frieght for \$18. It can handle up to 16 ga @ 16" wide.... Haven't used it yet, but plan on it for my SW40+...

72

.mark

KA6WKE - <http://www.qsl.net/ka6wke>

-----BEGIN GEEK CODE BLOCK-----

Version: 3.1

GCS/E/IT/O d- s+ a C++++\$ L++++\$> P+++> L++ E--- W-- N+ o K- w-- !O

M- !V PS+ PE+ Y+ PGP t+ !5 X R- tv b+++ DI+ D- G e++ h--- r+++ z++++

-----END GEEK CODE BLOCK-----

>-----

>From: Russ Hines[SMTP:wb8zcc@one.net]

>Sent: Thursday, April 12, 2001 7:48 PM

>To: Low Power Amateur Radio Discussion

>Subject: Re: HB sheet metal brake

>

>Good going, Steve. Seems to me L.B. Cebik wrote a QST article on this very
>thing not long ago.

>

>Off to check my QST's.

>

>73,

>Russ Hines

>WB8ZCC

>wb8zcc@one.net

>wb8zcc@arrl.net

>

>----- Original Message -----

>From: Steven Weber <kd1jv@moose.ncia.net>

>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

>Sent: Wednesday, April 11, 2001 7:25 AM

>Subject: HB sheet metal brake

>

>

>> I've always wanted a sheet metal brake to make little custom metal
>> boxes for projects, but never seemed to be able to justify going out
>> and buying one. So, I finally got around to building a crude, but
>> effective brake from some stuff found at the local hardware store.

>>

>> I bought a 3 foot length of 1" "weldable" steel angle iron, a pair of
>> 1" hinges and some 10-24 x 3/4" nuts and bolts.

>>

>> Cut the angle iron in half. Place the two pieces together to form a
>> "T". Drill holes to attach the hinges at each end, on top of the "T".
>> Drill the holes in the piece of angle iron which will pivot large
>> enough to allow adjusting the spacing between the two pieces of angle
>> iron for various thickness of material.

>>

>> Now bolt one of the pieces of angle iron to the edge of a plywood
>> board. You'll need a way to clamp the material to be bent, so, using
>> a jig saw, I cut a slot behind the angle iron bolted to the plywood
>> big enough to put a "C" clamp in. I went back to the hardware store
>> and got a length of 1" x 1/8" flat steel to clamp over the material
>> to be bent.

>>

>> Eventually, I should have someone weld a handle onto the angle iron,
>> but for now, I'm using an 8" adjustable wrench for a handle.

>>

>> I've bent a few pieces of thin steel and aluminum for practice and it
>> works FB. I was able to do a decent 90 degree bend in 1/8" aluminum
>> and 1/8" soft steel. I should now be able to make boxes like those
>> used for the NC-20 and SST. Good deal! Total investment, less than
>> \$10 and a few hours of time.

>>

>>
>> 72,
>> Steve, KD1JV in the white Mountains of New Hampshire
>> "melt solder"
>>
>>
>
>
>

Date: Thu, 12 Apr 2001 15:30:56 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-1@lehigh.edu
Subject: [96245] Question; Anti-static storage
Message-ID: <5.0.2.1.0.20010412151728.00a85b60@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have a fairly decent stash of ICs and FETS.
Trying to figure out a good storage and sorting/labeling method.
The black foam stuff disintegrates some times and makes a nasty mess.
Does anyone have an alternate method?
I was thinking of using aluminium tape on regular styrofoam .
Any ideas or methods would be appreciated.
73 Pete NV4V

Date: Thu, 12 Apr 2001 15:40:41 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96246] Re: Question; Anti-static storage
Message-ID: <02b101c0c388\$7896ef20\$4206d10a@endpoints.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Personally, I just use the plastic drawers. For the real static sensitive stuff, I just line the drawers with foil.

I wouldn't use styrofoam. If you move the parts around, then they WON'T contact the 'enlarged hole' in the foil and you have them in styrofoam!! Very bad!

Also the black conductive foam is bad with time. Not just from the disintegration aspect, but it collects moisture from the air. I've had parts ruined by storing long term in the 'black foam'. But to be fair, I believe there are different types of 'black foam' and they may not all do this.

Mike

> I have a fairly decent stash of ICs and FETS.
> Trying to figure out a good storage and sorting/labeling method.
> The black foam stuff disintegrates some times and makes a nasty mess.
> Does anyone have an alternate method?
> I was thinking of using aluminium tape on regular styrofoam .
> Any ideas or methods would be appreciated.
> 73 Pete NV4V

Date: Thu, 12 Apr 2001 14:10:43 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Jake Brodsky <frussle@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96247] Re: "Making Verticals Quieter"
Message-ID: <Pine.LNX.4.31.0104121403580.1350-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jake, You hit it right on the head. A vertical antenna is noisy not due to an open circuit at the feed point, but rather because it has a low angle of radiation, and, much of the local noise sources are vertically polarized. My good old Butternut Vertical has a coil shorting the feed point but the antenna is very noisy. Many times I have wished for a vertical on transmit and a horizontal dipole for receive.

I can do that with about a 5 pole 3 throw switch...:-)

On Thu, 12 Apr 2001, Jake Brodsky wrote:

> On Tue, 10 Apr 2001 22:43:00 -0400, Pete NV4V wrote:
>
> >The subject is the title of a Tech Forum note in Ham Radio Jun 1983.
> >It is by Robert Crawford WA6RYZ

>
> However, this alone won't "quiet" your vertical antenna much. The
> only thing such measures will reduce will be locally acquired noise
> sources due to feed-line radiation. If the coax goes straight out a
> window toward your antenna, I wouldn't bother.
>
> Finally, the "noisy" features of a vertical antenna have more to do
> with its omni-directional low angle of radiation than anything else.
> If there are lots of noise sources on the horizon (and that's usually
> where you find them) you can expect lots of noise. To really "quiet"
> things down you need directivity. And that is something you'll only
> get with phased arrays, beverages, rhombic arrays, and so on.
>
> 73,
> Jake Brodsky, <mailto:frussle@erols.com>
> "Nearly fifty percent of all graduates came from
> the bottom half of the class."
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 12 Apr 2001 14:57:30 -0500 (CDT)
From: Joe Reed <joe@n9jr.dyndns.org>
To: qrp-l@listserv.lehigh.edu
Subject: [96248] 6m Hot
Message-ID: <Pine.LNX.4.21.0104121452550.14228-1000000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Those of you who have been fortunate enough to get a FT-817 may wish to check 6 meers. The band is pretty open to South America - up north I have worked several PY and LUs.

Reports also of KH8, but I think that is something for you folks in the lower latitudes can work (I have too much QRN when pointing that way).

Joe
n9jr@arrl.net (also in EN63aa)

Date: Thu, 12 Apr 2001 21:08:22
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: kandrparker@sympatico.ca
Cc: qrp-1@lehigh.edu
Subject: [96249] Re: 2M Homebrew anyone?
Message-ID: <F688olkDTM9wGmAf0Mj00004664@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks for the tip. What I had in mind, though, were schematics. When I think of homebrew I think "from scratch". Kits are fine but I enjoy all the trouble of figuring out the circuit problems.

Anyway, your tip helped me to find a MC3362 chip which could be useful for this purpose (and might be what Ramsey uses in their kit). The problem now is where to find a 10.245 MHz crystal. Anyone have any spares?

73
Brad

P.S. there is a pretty interesting PLL 2-meter project on the following URL (if you can read Czech - I assume that is what that is):

<http://www.emgola.cz/RX137na146.html>

> Ramsey kits makes a nice 2m receiver.

> <http://www.ramseyelectronics.com/>

>

> Cheers,

> Robert

> VE3RPF

>

> ----- Original Message -----

> From: "Brad Hernlem" <alihernlem@hotmail.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Thursday, April 12, 2001 3:43 PM

> Subject: 2M Homebrew anyone?

>

>

> > The other day I was changing the oil in my car and had the receiver

> tuned

> to

> > 20 meters listening to CW. There are usually numerous folks walking up

> and

> > down our street. One of these pedestrians caught ear of my receiver and

> > walked on up. It turned out that he was a local ham (WA1VGA). We got to

> > talking while my oil pan drained. I mentioned that I have been a

>long-time
> > homebrewer and SWL and recently have decided to study for the ham exams.
>I
> > showed him some of my radio junkie. I asked about local activity (clubs
>and
> > such) and he gave me a frequency on 2 meters to listen in on. Well, I
>don't
> > have a 2 meter receiver. Can anyone point me in the direction of good
> > homebrew projects for 2 meters (primarily receiving gear)? A mere
>converter
> > probably wouldn't do me much good since my receivers are comprised only
>of
>a
> > SONY ICF-2010 and various regens. Probably OK for CW and SSB but not for
>FM.
> >
> > Where are all the 2 meter homebrewers?
> >
> > Brad
> >
> > -----
> > Get your FREE download of MSN Explorer at <http://explorer.msn.com>
> >
>

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Thu, 12 Apr 2001 16:14:16 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: joe@n9jr.dyndns.org, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96250] Re: 6m Hot --- When? Where?
Message-ID: <3.0.2.32.20010412161416.006b7f98@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

I really like to hear about openings. But time and date are useful as well as to where and from where.

Not all of us keep our email on 24 hours a day. And, it would be a help to know in case an opening might happen again the next period.

Thanks...

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #749, RARA #3, NETXQRP Web Site <http://www.netxqrp.org>
[TMPS] Qs - 115, States - 39, DX - 25, 3W to HF9V (or W9INN Inv V)

Date: Thu, 12 Apr 2001 15:21:27 -0500 (CDT)
From: Joe Reed <joe@n9jr.dyndns.org>
To: Chuck Carpenter <w5usj@globeco.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96251] Re: 6m Hot --- When? Where?
Message-ID: <Pine.LNX.4.21.0104121512450.14261-100000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT

I would expect folks would check their local DX cluster to see what is happening at a given moment, or to check a web cluster node to see what the latest is.

Conditions are far too variable for a spot to be used via email.

Currently, in EN63aa the band is quiet. But 200 miles south of me it could be boiling with activity. But I hope the conditions will pick up before the XYL gets home. (Or I expect things will come alive with JA/VK just as she comes home and I have to QRT.)

Appreciate your comments, but on VHF conditions are far too variable for a spot to be of value. What I hear in EN63 may not be listenable in EM20 and converesly.

I was just pointing out that the band was open. YMMV, and on VHF probally will.

73/72
Joe N9JR

On Thu, 12 Apr 2001, Chuck Carpenter wrote:

> Folks,
>
> I really like to hear about openings. But time and date are useful as well

> as to where and from where.
>
> Not all of us keep our email on 24 hours a day. And, it would be a help to
> know in case an opening might happen again the next period.
>
> Thanks...
>
>
>
>
> Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
> ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
> Zombie #749, RARA #3, NETXQRP Web Site <http://www.netxqrp.org>
> [TMPS] Qs - 115, States - 39, DX - 25, 3W to HF9V (or W9INN Inv V)
>

Date: Thu, 12 Apr 2001 21:13:20 +0100
From: Larry Cahoon <lejek@erols.com>
To: qrp-l@lehigh.edu
Subject: [96252] 1 mw
Message-ID: <5.0.2.1.0.20010412205552.009eeec0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I just got the PVRC (Potomac Valley Radio Club) newsletter and thought I'd copy an item to the group.

By way of background Frank is W3LPL, QTH is in MD between Baltimore, Washington, and Frederick. I won't try to tell you the kinds of trees he has in his yard, but they are tall and made of a lot metal. This report is from the ARRL CW DX contest.

"Frank stated that 10M was really hot on Sunday the 18th. He was working VU2ZAP with the high beam when 'ZAP (running 100W, hitting 20db over on the S-meter) asked him to stand-by.... 'ZAP came back running 1W with an S8 signal....asked Frank to standby again and after a few moments of silence Frank switched to the bottom(quieter) antenna and heard 'ZAP asking "Frank, do you hear me? Frank do you hear me? Well of course Frank heard him.... he hears everything, but 'ZAP was running 1 mw.

I'll leave it to you to figure out the DXCC country for VU2ZAP - hint - you can't get too much further from W3LPL's QTH. There is a few pictures of Frank's place at the PVRC web site <http://www.pvrc.com>

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p>

Date: Fri, 13 Apr 2001 08:05:16 +1000
From: "Glen Torr" <glentorr@ozemail.com.au>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [96253] Re: [MH101] Prelims done, i.e. SW-30+
Message-ID: <000101c0c39d\$941a3080\$b63354d2@com.au>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

> I think we have a great opportunity here to start
> some interest at the grass roots level in building and experimenting for
the new
> people and maybe even the old

I agree wholeheartedly.

> So question. Does the group want to practice on some small projects
first?
> RF probe, crystal tester, etc.? I was going to do some more any way so no
problem
> on this end. And the floor is open for anyone to do anything and show it
off to the
> world on the web.

Yes please, after the QRP-L30 my next project is the SST sized NC40A
Manhattan style.

> If enough of us get going, how about a MIB group? Manhattan Interested
Builders (MIB).
> We show up with our stuff and dress in black suits and sun glasses. :-)
;-)

YES PLEASE, put me down for membership of this most important group.

And as always thank you Chuck and all the others who give of yourself to the
QRP community.

Grasshopper Glen VK1FB

Date: Thu, 12 Apr 2001 18:06:03 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96254] RE: "Making Verticals Quieter"
Message-ID: <125490A005E3D3118C9C00805FC743CC01C16E42@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Actually, I think that is not even that the local sources are vertically polarized, but that they fall into the low-angle radiation pattern of the vertical antenna. Also, many vertical antennas are closer to the noise sources than are their horizontal counterparts.

If you think about it, most residential electrical wiring is probably more horizontal than vertical, so the noise radiated by the line would be primarily horizontally polarized. This is especially true for any noise generated by the overhead distribution wiring. IMHO, the adage that man-made noise is vertically polarized is urban myth.

73,
Ed Hare, W1RFI

-----Original Message-----
From: Karl F. Larsen [mailto:k5di@zianet.com]
Sent: Thursday, April 12, 2001 4:11 PM
To: Low Power Amateur Radio Discussion
Subject: Re: "Making Verticals Quieter"

Hi Jake, You hit it right on the head. A vertical antenna is noisy not due to an open circuit at the feed point, but rather because it has a low angle of radiation, and, much of the local noise sources are vertically polarized. My good old Butternut Vertical has a coil shorting the feed point but the antenna is very noisy. Many times I have wished for a vertical on transmit and a horizontal dipole for receive.

I can do that with about a 5 pole 3 throw switch....:-)

On Thu, 12 Apr 2001, Jake Brodsky wrote:

> On Tue, 10 Apr 2001 22:43:00 -0400, Pete NV4V wrote:

>
> >The subject is the title of a Tech Forum note in Ham Radio Jun 1983.
> >It is by Robert Crawford WA6RYZ
>
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> only thing such measures will reduce will be locally acquired noise
> sources due to feed-line radiation. If the coax goes straight out a
> window toward your antenna, I wouldn't bother.
>
> Finally, the "noisy" features of a vertical antenna have more to do
> with its omni-directional low angle of radiation than anything else.
> If there are lots of noise sources on the horizon (and that's usually
> where you find them) you can expect lots of noise. To really "quiet"
> things down you need directivity. And that is something you'll only
> get with phased arrays, beverages, rhombic arrays, and so on.
>
> 73,
> Jake Brodsky, <mailto:frussle@erols.com>
> "Nearly fifty percent of all graduates came from
> the bottom half of the class."
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 12 Apr 2001 18:23:52 -0400
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-1@Lehigh.EDU
Subject: [96255] Re: Harbor Freight Punch
Message-ID: <3AD62AF8.205A8B05@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Their specials oscillate between their stores, the web, and their catalogs,...you have to keep checking them all. I just got their flyer (catalog 634 - Spring/Summer 2001) today, and a hole hand punch is on sale for \$12.99. HOWEVER, this is a METRIC punch - may be useful for what you want, but read specs carefully before ordering. (2, 3, 4, 4.5, 6, and 7 mm sizes)
73, Ed
K2MGM.

Date: Thu, 12 Apr 2001 17:51:05 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: alihernlem@hotmail.com
Cc: qrp-1@lehigh.edu
Subject: [96256] Re: 2M Homebrew anyone?
Message-ID: <200104122223.f3CMNsk17039@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> is where to find a 10.245 MHz crystal. Anyone have any spares?

>

You can find 10.245 Mhz xtals in CB sets and 49 Mhz cordless phones. You can also find the FM IF chip and associated filters and IF xformers in the cordless phone. All you have to do is build a new front end.

I noticed recently that Digi-Key has the 10.245 xtals in the small round cans.

Also take a look at the NEC Monolithic Microwave IC's and transistors both Digi-Key and Mouser carry. Thier all SMT parts and small ones at that, but you can build a rig for 2 M or up to few GHz with just those parts, except for the LO and PLL stuff.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Thu, 12 Apr 2001 15:23:30 -0700
From: Jeff Stai WK6I <jstai@home.com>
To: w5usj@globeco.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96257] Re: 6m Hot --- When? Where?
Message-ID: <3AD62AE2.CCE0B2C5@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

hi - here are some 6m resources for current conditions and spots:

DX Cluster (click on "50VHF" to get one minute updates): <http://oh2aq.kolumbus.com/dxs/>

Magic Band Online (spots of 6m and other indicators, plus chat): <http://dxworld.com/magicband.html>

50MHz Propagation Logger (same as above but without the chat): <http://dxworld.com/50prop.html>

On the air spots etc can be found on 28.885MHz USB

In general, you can use these resources to find out who is working what and where. If you notice that folks nearby are working PY and LU, there is a fair chance you will also be able to join in the fun - this is what happened today. In fact, there were so many PYs on CW that I needed to use a narrow filter!-)

hope this helps! - jeff wk6i

ps: Also in general, email spots will be "too late", and you can't count on anything

happening two days in a row on 6m! But there does seem to be a lot of transequatorial

activity the past several days to either LU/PY or ZL/VK or both. Listening pays: tune

around every so often, monitor the calling freqs (50.110) - if you hear a squawk, start

tuning around - chances are the best activity is off the calling freq.

--

jeff stai

radio stuff: WK6I in DM13

rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.

email: jstai@home.com or wk6i@arrl.net

ROC web page: <http://www.rocstock.org/>

LDRS web page: <http://www.ldr20.org/>

End of QRP-L Digest 2157

